



Glatt

Product Catalog



Ceramic Adhesive

C1TE



Bileşen ismi: Portland çimento **H315:** Deride tahrişe neden olur. **H318:** Ciddi göz hasarlarına yol açar. **H335:** Solunum yolu tahrişine yol açabilir. **P264:** Elleçlemeden sonra ellerinizi iyice yıkayın. **P280:** Koruyucu eldiven / koruyucu kıyafet / göz koruyucu / yüz koruyucu kullanın. **P302+P352:** DERİ İLE TEMAS HALİNDE : Bol sabun ve su ile yıkayın. **P332+P313:** Tıbbi yardım müdahale alın. **P305+P351+P338 GÖZ İLE TEMAS HALİNDE:** Su ile birkaç dakikaya dikkatlice durulayın. Takılı ve yapması kolaysa kontak lensleri çıkartın. Durulamaya devam edin. **P261:** Tozunu solumaktan kaçının. **P304+P340:** SOLUNDUĞUNDA : Zarar gören kişiyi temiz havaya çıkartın ve kolay nefes alması için rahat bir pozisyonda tutun.

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Ağırlık Bekleme süresi / Yapışma mukavemeti	: ≤ 0,5 (min. 25 dk sonra)	Open waiting time, adhesion strength: n/mm ²	: ≤ 0,5 (after min 25 min)
Kullanma Süresi, Saat	: < 2	Time of use, time:	: < 2
Aderans Dayanımı / Kuru Ortamda	: ≤ 0,5	ADERANCE resistance / in dry environment:	: ≤ 0,5
Aderans Dayanımı / Islak Ortamda	: ≤ 0,5 N / mm ²	ADERANCE strenght / in wet environment:	: ≤ 0,5 N / mm ²
Aderans Dayanımı / Soğuk Ortamda	: ≤ 0,5 N / mm ²	ADERANCE resistance / in a hot environment:	: ≤ 0,5 N / mm ²
Aderans Dayanımı / Soğuk Ortamda	: ≤ 0,5 N / mm ²	ADERANCE resistance / in the cold environment:	: ≤ 0,5 N / mm ²
Kayma mm	: ≥ 0,5	Slip mm	: ≥ 0,5
Yangına tepki (EN 13501-1)	: A1	Reaction to Fire (EN 13501-1)	: A1



Tse 12004 Standartlarına uygundur.

DEFINITION:

It is a cement-based ready-mixed tile adhesive mortar with extended open time, used on walls and floors with reduced slipperiness.

APPLICATION AREAS:

It is used to bond tile and coating materials on horizontal and vertical surfaces in indoor and outdoor areas.

SURFACE PREPARATION::

The application surface must be cleaned from foreign materials such as dust, dirt and oil. The water absorption rate of the surface should be low; if the water absorption rate is high, it should be moistened. The application surface must be smooth and stable.

APPLICATION TOOLS:

Notched trowel, trowel

HOW TO APPLY:

Add 6 - 6.5 liters of water to the bag in a clean container and mix with a low-speed mixer until it reaches a homogeneous consistency. It should be rested for approximately 10 minutes before application. The application should be done by mixing again with the mixer for 1-2 minutes.

APPLICATION FEATURES:

Mixing Ratio: 6 - 6.5 liters

Pot life (at 20°C): 2 Hours

Open waiting time: 30 minutes

Grouting application time: 24 hours

Time to open to traffic: 48 hours

Application temperature: +5°C / +30°C

PRECAUTIONS:

- Application should be done at temperatures between +5 C and +30 C.
 - Application should not be done in rainy weather, the application surface should be protected from rain and liquid.
 - The applied surface should not be exposed to direct sunlight in hot weather.
 - Application should not be made in windy weather or on surfaces exposed to direct sunlight.
 - Application should not be made in places where there is a risk of frost and on frozen and icy surfaces.
- Water should not be added to the mixture later, nor should any other additives be used.
- After mixing the product, the mixture should be used within 60 minutes.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

COLOR:

White

Gray



DEFINITION:

It is a cement-based ready-mixed tile adhesive mortar with extended open time, used on walls and floors with reduced slipperiness.

APPLICATION AREAS:

It is used on mobile floors, surfaces exposed to sudden temperature changes, underpasses and overpasses, shopping malls, underfloor heating systems, and laying tiles and natural stones.

SURFACE PREPARATION:

The application surface must be cleaned from foreign materials such as dust, dirt and oil. The water absorption rate of the surface should be low; if the water absorption rate is high, it should be moistened. The application surface must be smooth and stable.

APPLICATION TOOLS:

Notched trowel, trowel

HOW TO APPLY:

Add 6 - 6.5 liters of water to the bag in a clean container and mix with a low-speed mixer until it reaches a homogeneous consistency. It should be rested for approximately 10 minutes before application. The application should be done by mixing again with the mixer for 1-2 minutes.

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Application temperature: +5°C / +30°C

PRECAUTIONS:

- Application should be done at temperatures between +5 C and +30 C.
- Application should not be done in rainy weather the application surface should be protected from rain and liquid.
- The applied surface should not be exposed to direct sunlight in hot weather.
- Application should not be made in windy weather or on surfaces exposed to direct sunlight.
- Application should not be made in places where there is a risk of frost and on frozen and icy surfaces.
- Water should not be added to the mixture later, nor should any other additives be used.
- After mixing the product, the mixture should be used within 60 minutes.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

COLOR:

White
Gray



Flex Ceramic Adhesive

C2TE



Bileşen ismi: Portland çimento **H315:** Deride tahrişe neden olur. **H318:** Ciddi göz hasarlarına yol açar. **H335:** Solunum yolu tahrişine yol açabilir. **P264:** Eylemlemeden sonra ellerinizi iyice yıkayınız. **P280:** Koruyucu eldiven / koruyucu kıyafet / göz koruyucu / yüz koruyucu kullanın. **P302+P352:** DERİ İLE TEMAS HALİNDE : Bol sabun ve su ile yıkayın. **P332+P313:** Tıbbi yardım müdahale alın. **P305+P351+P338 GÖZ İLE TEMAS HALİNDE:** Su ile birkaç dakika dikkatlice durulayın. Takılı ve yapması kolaysa kontak lensleri çıkartın. Durulamaya devam edin. **P261:** Tozunu solumaktan kaçının. **P304+P340:** SOLUNDUĞUNDA : Zarar gören kişiyi temiz havaya çıkartın ve kolay nefes alması için rahat bir pozisyonda tutun.

Component name: Portland cement **H315:** Causes skin irritation. **H318:** Causes serious eye damage. **H335:** It can lead to respiratory irritation. **P264:** Wash your hands thoroughly after handling. **P280:** Use protective glove / protective outfit / Eye protective / face protection. **P302+P352:** In contact with skin: Wash with plenty of soap and water. **P332+P313:** Get medical aid intervention. **P305+P351+P338 In contact with the eye:** Rinse carefully with water for a few minutes. Remove contact lenses if they are installed and easy to do. Continue rinsing. **P261:** Avoid breathing dust. **P304+P340:** When it is inhaled: Remove the damaged person into a fresh air and keep in a comfortable position for easy breathing.

Açık Bekleme süresi / Yapışma mukavemeti	: ≤ 0,5 (min. 25 dk sonra)	Open waiting time, adhesion strength:	: ≤ 0,5 (after min 25 min)
Kullanma Süresi, Saat	: < 2	Time of use, time:	: < 2
Aderans Dayanımı / Kuru Ortamda	: ≤ 1	ADERANCE resistance / in dry environment:	: ≤ 1
Aderans Dayanımı / Isık Ortamda	: ≤ 1 N / mm ²	ADERANCE strength / in wet environment:	: ≤ 1 N / mm ²
Aderans Dayanımı / Sıcak Ortamda	: ≤ 1 N / mm ²	ADERANCE resistance / in a hot environment:	: ≤ 1 N / mm ²
Aderans Dayanımı / Soğuk Ortamda	: ≤ 1 N / mm ²	ADERANCE resistance / in the cold environment:	: ≤ 1 N / mm ²
Kayma mm	: ≥ 0,5	Slip mm	: ≥ 0,5
Yangına tepki (EN 13501-1)	: A1	Reaction to Fire (EN 13501-1)	: A1



Tse 12004 Standartlarına uygundur.





Ultra Plus Ceramic Adhesive

C2TE S1



Bileşen ismi: Portland çimento **H315:** Deride tahrişe neden olur. **H318:** Ciddi göz hasarlarına yol açar. **H335:** Solunum yolu tahrişine yol açabilir. **P264:** Elleçlemeden sonra ellerinizi iyice yıkayınız. **P280:** Koruyucu eldiven / koruyucu kıyafet / göz koruyucu / yüz koruyucu kullanın. **P302+P352: DERİ İLE TEMAS HALİNDE :** Bol sabun ve su ile yıkayın. **P332+P313:** Tıbbi yardım müdahale alın. **P305+P351+P338 GÖZ İLE TEMAS HALİNDE:** Su ile birkaç dakika dikkatlice durulayın. Takılı ve yapması kolaysa kontak lensleri çıkartın. Durulamaya devam edin. **P261:** Tozunu solumaktan kaçının. **P304+P340: SOLUNUĞUNDA :** Zarar gören kişiyi temiz havaya çıkartın ve kolay nefes alması için rahat bir pozisyonda tutun.

Component name: Portland cement **H315:** Causes skin irritation. **H318:** Causes serious eye damage. **H335:** It can lead to respiratory irritation. **P264:** Wash your hands thoroughly after handling. **P280:** Use protective glove / protective outfit / Eye protective / face protection. **P302+P352: In contact with skin:** Wash with plenty of soap and water. **P332+P313:** Get medical aid intervention. **P305+P351+P338 In contact with the eye:** Rinse carefully with water for a few minutes. Remove contact lenses if they are installed and easy to do. Continue rinsing. **P261:** Avoid breathing dust. **P304+P340:** When it is inhaled: Remove the damaged person into a fresh air and keep in a comfortable position for easy breathing.

Ağık Bekleme süresi , Yapışma mukavemeti : $\leq 0,5$ (min. 25 dk sonra)
Kullanma Süresi, Saat : ≤ 2
Aderans Dayanımı / Kuru Ortamda : ≤ 1
Aderans Dayanımı / Islak Ortamda : ≤ 1 N / mm²
Aderans Dayanımı / Sıcak Ortamda : ≤ 1 N / mm²
Aderans Dayanımı / Soğuk Ortamda : ≤ 1 N / mm²
Kayma mm : $\geq 0,5$
Enine Deformasyon : $2,5\text{mm} \leq S1 \leq 5\text{mm}$
Yangına tepki (EN 13501-1) : A1

Open waiting time, adhesion strength: : $\leq 0,5$ (after min 25 min)
Time of use, time: : < 2
ADERANCE resistance / in dry environment: : ≤ 1
ADERANCE strength / in wet environment: : ≤ 1 N / mm²
ADERANCE resistance / in a hot environment: : ≤ 1 N / mm²
ADERANCE resistance / in the cold environment: : ≤ 1 N / mm²
Slip mm : $\geq 0,5$
Transverse Deformation : $2,5\text{mm} \leq S1 \leq 5\text{mm}$
Reaction to Fire (EN 13501-1) : A1

DEFINITION:

It is a cement-based ready-mixed tile adhesive mortar with extended open time, used on walls and floors with reduced slipperiness.

APPLICATION AREAS:

It is a high-strength adhesive mortar used for bonding large-sized tiles, granite marble, and other coating materials in underfloor heating systems in interior and exterior spaces of buildings such as schools, hospitals, and shopping malls.

SURFACE PREPARATION:

The application surface must be cleaned from foreign materials such as dust, dirt and oil. The water absorption rate of the surface should be low; if the water absorption rate is high, it should be moistened. The application surface must be smooth and stable.

APPLICATION TOOLS:

Notched trowel, trowel

HOW TO APPLY:

Add 6 - 6.5 liters of water to the bag in a clean container and mix with a low-speed mixer until it reaches a homogeneous consistency. It should be rested for approximately 10 minutes before application. The application should be done by mixing again with the mixer for 1-2 minutes.

APPLICATION FEATURES:

Mixing Ratio: 6 - 6.5 liters
Pot life (at 20°C): 2 Hours
Open waiting time: 30 minutes
Grouting application time: 24 hours
Time to open to traffic: 24 hours
Application temperature: +5°C / +30°C

PRECAUTIONS:

- Application should be done at temperatures between +5 C and +30 C.
- Application should not be done in rainy weather, the application surface should be protected from rain and liquid.
- The applied surface should not be exposed to direct sunlight in hot weather.
- Application should not be made in windy weather or on surfaces exposed to direct sunlight.
- Application should not be made in places where there is a risk of frost and on frozen and icy surfaces.
- Water should not be added to the mixture later, nor should any other additives be used.
- After mixing the product, the mixture should be used within 60 minutes.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.
DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

COLOR:

White
Gray



DEFINITION:

It is a cement-based, polymer-added, highly stable pumice and brick mortar.

APPLICATION AREAS:

It is used to bond building elements such as pumice and brick in interior and exterior spaces.

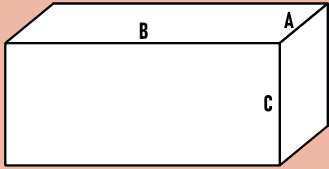
SURFACE PREPARATION:

The application surface must be cleaned from foreign materials such as dust, dirt and oil. The water absorption rate of the surface should be low; if the water absorption rate is high, it should be moistened. The application surface must be smooth and stable.

HOW TO APPLY:

In a clean container, water is added to the Düzkim Pumice Adhesive bag at a ratio of 4.5 – 5.5 liters and mixed with a low-speed mixer until a homogeneous consistency is achieved. It should be rested for approximately 5 minutes before application. It should be mixed again with a mixer for 1–2 minutes to become ready for application.

SARFIYAT:



A (CM)	B (CM)	C (CM)	Tüketim (kg/m ²)
9	39	24	5,5-7,5
14	49	24	6,5-8,5
19	49	24	7,5-9,5
24	49	24	11,5-13,5
9	39	19	4,5-6,5

*Consumption value is theoretical. The amount of consumption varies depending on the surface to be applied.

APPLICATION FEATURES:

Mixing Ratio: 6 - 6.5 liters
Pot life (at 20°C): 2 Hours
Open waiting time: 30 minutes
Grouting application time: 24 hours
Time to open to traffic: 48 hours
Application temperature: +5°C / +30°C

PRECAUTIONS:

- Application should be done at temperatures between +5 C and +30 C.
- Application should not be done in rainy weather, the application surface should be protected from rain and liquid.
- The applied surface should not be exposed to direct sunlight in hot weather.
- Application should not be made in windy weather or on surfaces exposed to direct sunlight.
- Application should not be made in places where there is a risk of frost and on frozen and icy surfaces.
- Water should not be added to the mixture later, nor should any other additives be used.
- After mixing the product, the mixture should be used within 60 minutes.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.
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CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water. cleaned with plenty of water. temizlenmelidir.



Bims Adhesive



Bileşen ismi: Portland çimento **H315:** Deride tahrişe neden olur. **H318:** Ciddi göz hasarlarına yol açar. **H335:** Solunum yolu tahrişine yol açabilir. **P264:** Elleçlemeden sonra ellerinizi iyice yıkayınız. **P280:** Koruyucu eldiven / koruyucu kıyafet / göz koruyucu / yüz koruyucu kullanın. **P302+P352:** DERİ İLE TEMAS HALİNDE : Bol sabun ve ile yıkayın. **P332+P313:** Tıbbi yardım müdahale alın. **P305+P351+P338 GÖZ İLE TEMAS HALİNDE:** Su ile birkaç dakika dikkatlice durulayın. Takılı ve yapması kolaysa kontak lensleri çıkartın. Durulamaya devam edin. **P261:** Tozunu solumaktan kaçının. **P304+P340:** SOLUNDUĞUNDA : Zarar gören kişiyi temiz havaya çıkartın ve kolay nefes alması için rahat bir pozisyonda tutun.

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Renk / Görünüş	: Gri
Toz Yoğunluk	: 1,45 kg/l
Dinlenme Süresi	: 5-10 DK
Su Oran	: 4,5-5,5 lt / 25 kg toz
Yapışma Dayanımı	: $\geq 0,5$ N / mm ²
Çekme Dayanımı	: $\geq 0,5$ N / mm ²
Uygulama Derecesi	: +5°C ile 35°C Arasında
Kap Süresi	: 1 Saat
Tüketim	: 3,5-4 Kg/m ²

Color / Appearance	: Grey
Powder Density	: 1,45 kg/l
Resting Time	: 5-10 min
Water Rate	: 4,5-5,5 lt / 25 kg powder
Adhesion Strength	: $\geq 0,5$ N / mm ²
Tensile Strength	: $\geq 0,5$ N / mm ²
Application Degree	: Between +5°C and 35°C
Cup Time	: 1 Hours
Consumption	: 3,5-4 Kg/m ²

*Yükseklikte değerler 23 ± 2 °C'de ve %50 ± 5 bağıl nem ortamı için verilen değerlerdir.
*Higher values are given for the periods given at 23 ± 2 °C and 50 ± 5% relative humidity.

*The above values are given for the periods given at 23 ± 2 °C and 50 ± 5% relative humidity.
*Higher temperatures shorten the period, while lower temperatures extend the period.





Joint Filler

STANDARD - SILICONE FLEX FILLER

Glatt



Çimento ihtiva ettiğinden deri ve göze temastan kaçınınız. Temas eden yerleri bol su ile yıkayınız. Ürün direkt olarak solunmamalıdır. Gereki durumlarda toz maskesi kullanınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temastında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temastan sakının. **S26:** Göz ile temastında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

Since it contains cement, avoid contact with skin and eyes. Wash the contacted areas with plenty of water. The product should not be inhaled directly. Use a dust mask when necessary. **R37/38:** Irritating to the respiratory system. **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask.

Renk	: Beyaz ve farklı renkler
Uygulama sıcaklığı	: +5°C ile +35°C arası (ortam zemin sıcaklığı)
Karışım oranı	: 20 kg (torba)/kuru harç için 6,5-7 kgsu
Kap ömrü	: 1 saat
Kullanılma ömrü	: 2 gün
Eğilme Mukavemeti	: >2,5 N/mm ² dir.
Bazı Dayanım	: >15 N/mm ² dir.
Bünye	: <3 mm/m
Su Emme 30 dk/240 dk	: <5 g (Derz Dolgu 1-6 mm) / <10 g (Derz Dolgu 1-6 mm)
Sıcaklık dayanımı	: -30°C / +80°C
Ambalaj	: 20 kg Kraft torba
Raf ömrü	: 12 ay

*Tablodaki değerler +20°C ve %50 bağıl nem değerlerine sahip ortamdan alınmıştır.
* Düşük sıcaklıkta süre uzayabilir, yüksek sıcaklıkta süre kısalır.

Colour	: White and different colours
Application temperature	: +5°C to +35°C (ambient ground temperature)
Mixing rate	: 6.5-7 Kg of water for 20 kg (bag) dry mortar
Pot life	: 1 hour
Using period	: 1 day
Flexural Strength	: >2.5 N/mm ²
Compressive Strength	: >15 N/mm ²
Shrinkage	: <3 mm/m
Water Absorption 30 min/ 240 min	: <5 g (Grout 1-6 mm) / <10 g (Grout 1-6 mm)
Temperature resistance	: -30°C / +80°C
Packaging	: 20 kg Kraft bag
Shelf life	: 12 months

*The values in the table are taken from an environment with +20°C and 50% relative humidity.
* The duration increases at low temperatures and decreases at high temperatures.



Tse 13888 Standartlarına uygundur.



DEFINITION:

It is a cement-based grouting material used for tiles, which is resistant to external factors and contains polymer additives and chemical additives.

APPLICATION AREAS:

In interior parts of buildings, on horizontal and vertical joints of coverings such as tiles, marble, and natural stone.

SURFACE PREPARATION:

The joints of coating materials such as tiles, tiles, marble and natural stone should be moistened and thoroughly cleaned from dust and other foreign materials before application.

HOW TO APPLY:

In a clean container, 1 bag of Düzkim Grout is slowly added into 6.5 / 7 liters of water and mixed with a low-speed mixer until a smooth, lump-free paste is obtained. The prepared mixture is left to rest for 5 minutes, then mixed again for a minute or two and the mortar is filled into the joint gaps with the help of a trowel.

Excess is removed by scraping. Depending on the weather conditions, after 15-20 minutes, clean with a wet sponge without applying too much pressure to the surface.

PRECAUTIONS:

- Never add water or powder to expired mortar.
- Avoid applying in areas that are frozen, have a risk of freezing within 24 hours, or are exposed to direct sun and wind.
- Application under sun and strong wind should be avoided. Application must be made when the surface temperature is between +5°C and +35°C.
- If snowfall or severe cold is expected within approximately 1 week after application, application should not be made or protective measures should be taken.
- Make sure that the coatings are applied at least 24 hours before and the tile adhesive has hardened.
- Before application, joint gaps should be moistened with a sponge.
- Before grouting, dust, sawdust, and construction cement residues that may be present between the joint gaps must be cleaned.
- It is recommended to use protective gloves during applications.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

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CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

COLOR:

White
Gray
Light
gray
(Special colors upon request)

DEFINITION:

It is a cement based, chemically added, high performance aerated concrete masonry mortar.

APPLICATION AREAS:

On the interior and exterior facades of buildings, It is used in the laying of building elements such as aerated concrete, exposed concrete, pumice and brick.

SURFACE PREPARATION:

The application surface must be clean and dry. Broken and hollow areas on the surface should be repaired with appropriate mortars.

HOW TO APPLY:

In a clean container, 1 bag of Düzkim Aerated Concrete Adhesive is slowly added into 6 / 6.5 liters of water and mixed with a low-speed mixer until a smooth, lump-free paste is obtained. The prepared mixture should be left to rest for 5-10 minutes, then mixed again for a minute or two and the prepared mortar should be applied evenly to the surface with a notched trowel. During application, horizontal and vertical joints must be maximum 3 mm. Aerated concrete should be fixed by ramming from the top and sides.

PRECAUTIONS:

- Never add water or powder to expired mortar.
- Avoid applying in areas that are frozen, have a risk of freezing within 24 hours, or are exposed to direct sun and wind.
- Application under sun and strong wind should be avoided. Application must be made when the surface temperature is between +5°C and +35°C.
- If snowfall or severe cold is expected within approximately 1 week after application, application should not be made or protective measures should be taken.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

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CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.



Gas Concrete Adhesive



Wall Thickness (mm)	Adhesive Usage (kg/m ²)
100	1,50
125	1,88
150	2,25
175	2,63
200	3,00
250	3,75
300	4,50



Çimento ihtiva ettiğinden deri ve göze temastan kaçınınız. Temas eden yerleri bol su ile yıkayınız. Ürün direkt olarak solunmamalıdır. Gerekli durumlarda toz maskesi kullanınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Tutulması halinde hemen bir doktora başvurun.

Since it contains cement, avoid contact with skin and eyes. Wash the contacted areas with plenty of water. The product should not be inhaled directly. Use a dust mask when necessary. **R37/38:** Irritating to the respiratory system. **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask.

Renk	: Gri	Colour	: Grey
Uygulama sıcaklığı	: +5°C ile +35°C arası	Application temperature	: +5°C ile +35°C
Karışım oranı	: 25 kg (torba)/kuru harç için 6-6,5 kg su	Mixing ratio	: 6-6,5 kg of water for 25 kg (bag) dry mortar
Kap ömrü	: 1 saat	Pot life	: 1 hour
Sıcaklık dayanımı	: (-30°C) - (+80°C)	Temperature resistance	: (-30°C) - (+80°C)
Başlangıç Dayanımı	: ≥ 10 N/mm ²	Compressive strength	: ≥ 10 N/mm ²
Su Emme, kg/m ² , min0,5	: $\leq 2,5$	Water absorption, kg/m ² , min0,5	: $\leq 2,5$
Su Buharı Geçirgenliği Katsayısı (μ)	: 5/20	Water vapor permeability coefficient (μ)	: 5/20
Uygulama kalınlığı	: 3-10 mm	Application thickness	: 3-10 mm
Yangına tepki	: A1 Sınıf	Reaction to fire	: Class A1
Ambalaj	: 25 kg Kraft torba	Packaging	: 25 kg Kraft bag
Raf ömrü	: 12 ay	Shelf life	: 12 months

*Tablodaki değerler +20°C ve %50 bağıl nem değerlerine sahip ortamlardan alınmıştır

*Değerler sıcaklık ve nem oranına göre değişebilir

*The values in the table are taken from an environment with +20°C and 50% relative humidity

*May vary in applications in the construction site environment



DEFINITION:

It is the adhesive mortar for cement-based polymer-added thermal insulation boards. It is used to bond EPS, XPS and rock wool boards.

APPLICATION AREAS:

It is used in the interior and exterior thermal insulation of buildings and in bonding the boards on surfaces such as concrete, rough and fine plaster.

SURFACE PREPARATION:

The application surface must be cleaned from foreign materials such as dust, dirt and oil. The water absorption rate of the surface should be low; if the water absorption rate is high, it should be moistened. The application surface must be smooth and stable.

HOW TO APPLY:

Add 6 - 6.5 liters of water to the bag in a clean container and mix with a low-speed mixer until it reaches a homogeneous consistency. It should be rested for approximately 10 minutes before application. The application should be done by mixing again with the mixer for 1-2 minutes.

PRECAUTIONS:

- Application should be done at temperatures between +5 C and +30 C.
- Application should not be done in rainy weather the application surface should be protected from rain and liquid.
- The applied surface should not be exposed to direct sunlight in hot weather.
- Application should not be made in windy weather or on surfaces exposed to direct sunlight.
- Application should not be made in places where there is a risk of frost and on frozen and icy surfaces.
- Water should not be added to the mixture later, nor should any other additives be used.
- After mixing the product, it should be used within 60 minutes.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.



Heat Insulation Adhesive



Bileşen ismi: Portland çimento **H315:** Deride tahrişe neden olur. **H318:** Ciddi göz hasarlarına yol açar. **H335:** Solunum yolu tahrişine yol açabilir. **P264:** Elleçlemeden sonra ellerinizi iyice yıkayınız. **P280:** Koruyucu eldiven / koruyucu kıyafet / göz koruyucu kullanın, **P302+P352:** DERİ İLE TEMAS HALİNDE : Bol sabun ve su ile yıkayın. **P332+P313:** Tıbbi yardım müdahale alın. **P305+P351+P338 GÜZ İLE TEMAS HALİNDE:** Su ile birkaç dakika dikkatlice durulayın. Takıldı ve yapması kolaysa kontak lensleri çıkarın. Durulamaya devam edin. **P261:** Tozunu solumaktan kaçının. **P304+P340: SOLUNUĞUNDA :** Zarar gören kişiyi temiz havaya çıkartın ve kolay nefes alması için rahat bir pozisyonda tutun.

Component name: Portland cement **H315:** Causes skin irritation. **H318:** Causes serious eye damage. **H335:** It can lead to respiratory irritation. **P264:** Wash your hands thoroughly after handling. **P280:** Use protective glove / protective outfit / Eye protective / face protection. **P302+P352:** In contact with skin: Wash with plenty of soap and water. **P332+P313:** Get medical aid intervention. **P305+P351+P338 In contact with the eye:** Rinse carefully with water for a few minutes. Remove contact lenses if they are installed and easy to do. Continue rinsing. **P261:** Avoid breathing dust. **P304+P340:** When it is inhaled: Remove the damaged person into a fresh air and keep in a comfortable position for easy breathing.

Renk	: Gri	Colour	: Grey
Uygulama sıcaklığı	: (+5°C)-(+35°C)	Application temperature	: (+5°C)-(+35°C)
Sıcaklık dayanımı	: (-30°C)-(+60°C)	Temperature resistance	: (-30°C)-(+60°C)
Uygulama sonrası sava için gerekli süre saat	: 24 saat	Time required for plaster after application	: 24 hours
Yapıştırmanın boşaltılı birim hacim kütleli	: $\geq 1300 \text{ kg/m}^3$	Adhesion unit volume mass of the adhesive	: $\geq 1300 \text{ kg/m}^3$
Besleye dayanımı	: $\geq 6.0 \text{ N/mm}^2$	Compressive strength	: $\geq 6.0 \text{ N/mm}^2$
Eğilme dayanımı	: $\geq 2.0 \text{ N/mm}^2$	Bending strength	: $\geq 2.0 \text{ N/mm}^2$
Alt tabakaya yapışma kuvveti	: $\geq 0.5 \text{ N/mm}^2$	Adhesion strength to the substrate	: $\geq 0.5 \text{ N/mm}^2$
Bıyalıtım levhasına yapışma kuvveti	: $\geq 0.08 \text{ N/mm}^2$	Adhesion strength to the thermal insulation board	: $\geq 0.08 \text{ N/mm}^2$
Su emme	: $\leq 5 \text{ gram (30 dakika)} \leq 10 \text{ gram (240 dakika)}$	Water absorption	: $\leq 5 \text{ grams (30 minutes)} \leq 10 \text{ gram (240 minutes)}$
Tanımaya tepki süresi	: A1	Fire reaction class	: A1
Kap Ömrü	: 1 saat	Put life	: 1 hour
Ref Ömrü	: 12 ay	Shelf life	: 12 months

*Tablodaki değerler +20°C ve %50 bağıl nem değerlerine sahip ortamlarda alınmıştır.
* Düşük sıcaklıkta süre veya yüksek sıcaklıkta süre kısıtlıdır.



Tse 13566 Standartlarına uygundur.



DEFINITION:

It is a cement-based, polymer-added high-performance plaster mortar.

APPLICATION AREAS:

It is used in the coating of thermal insulation boards such as EPS, XPS, and rock wool.

SURFACE PREPARATION:

The board surface must be clean, dry, and solid. Make sure that the board adheres completely to the surface. The plastering process should be started 48 hours after the thermal insulation boards are attached.

HOW TO APPLY:

In a clean container, 1 bag of Düzkim thermal insulation board plaster (25 kg) is slowly added into 6–6.5 kg of water and mixed with a low-speed mixer until a smooth, lump-free paste is obtained. The prepared mixture is left to rest for 10 minutes, then mixed again for a minute or two and the plaster mortar is applied to the doweled EPS board surface with a suitable trowel. Then, the mesh surface is completely covered with a second layer of plaster.

Plaster Reinforcement Mesh is placed smoothly and evenly across the entire board, overlapping 10 cm from the joints, and embedded into the plaster by 1-1.5 mm. After the plaster has set, Düzkim Decorative Plaster is used to add direct paint or a decorative appearance, depending on the application.

The plaster surface should be moistened occasionally to ensure healthy setting of the plaster above $\geq +25$ °C and to prevent sudden water loss.

Application should not be made under direct sunlight, in rainy weather or in weather with danger of frost.

PRECAUTIONS:

- Never add water or powder to expired mortar.
- Avoid applying in areas that are frozen, have a risk of freezing within 24 hours, or are exposed to direct sun and wind.
- Application under sun and strong wind should be avoided. Application must be made when the surface temperature is between $+5^{\circ}\text{C}$ and $+25^{\circ}\text{C}$.
- If snowfall or severe cold is expected within approximately one week after application, before the cement sets, the application should not be performed or protective measures must be taken.
- It is not recommended to apply plaster thicker than 5 mm.
- The thermal insulation boards to be applied must be firmly adhered and doweled to the applied surface. Boards should be checked before application and should never be stretched.
- It is recommended to use protective gloves during applications. For more detailed protective measures, please refer to the material safety data sheet of the product.
- Be careful not to use boards that have lost their properties due to prolonged exposure to sunlight.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.



Heat Insulation Plaster



Çimento ihtiva ettiğinden deri ve göze temastan kaçınınız. Temas eden yerleri bol su ile yıkayınız. Ürün direkt olarak solunmamalıdır. Gerekli durumlarda toz maskesi kullanınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

Since it contains cement, avoid contact with skin and eyes. Wash the contacted areas with plenty of water. The product should not be inhaled directly. Use a dust mask when necessary. **R37/38:** Irritating to the respiratory system. **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask.

Renk	: Gri	Colour	: Grey
Malzemenin içeriği	: Çimento, mineral dolgu ve özel polimer katkıları içerir.	Material content	: Cement, mineral filler and special polymer additives
Taze Havanın Başlıklu Birim Hacim Kütlesi	: $\geq 1200 \text{ kg/m}^3$	Fresh Mortar Hollow Unit Volume Mass	: $\geq 1200 \text{ kg/m}^3$
Sarılaşmış Havanın Başlıklu Birim Hacim Kütlesi	: $1300 \approx 100 \text{ kg/m}^3$	Hardened Mortar Hollow Unit Volume Mass	: $1300 \approx 100 \text{ kg/m}^3$
Isı Yalıtım Levhasına Yapışma Mükemmeli	: $\geq 0,08 \text{ N/mm}^2$ (28 gün)	Adhesion to Thermal Insulation Board	: $\geq 0,08 \text{ N/mm}^2$ (28 day)
Eğilme Mükemmeli	: $\geq 2,0 \text{ N/mm}^2$	Flexural Strength	: $\geq 2,0 \text{ N/mm}^2$
Bacama Mükemmeli	: $\geq 6,0 \text{ N/mm}^2$	Compressive Strength	: $\geq 6,0 \text{ N/mm}^2$
Tane Boyutu	: $< 1 \text{ mm}$	Grain Size	: $< 1 \text{ mm}$
Su Emme	: $\leq 5 \text{ gr}$	Water Absorption	: $\leq 5 \text{ gr}$
Yangına Tepki	: Sınıf A1	Reaction to Fire	: Class A1
Uygulanma Kalınlığı	: En az 3 mm - En fazla 8 mm	Application Thickness	: Min. 3 mm - Max. 8 mm
Olgunlaşma Süresi	: min 5 dakika	Maturation Time min	: min 5 minutes
Sıcaklık Dayanımı	: $-30^{\circ}\text{C} / +80^{\circ}\text{C}$	Temperature Resistance	: $-30^{\circ}\text{C} / +80^{\circ}\text{C}$
Kap Ömrü	: 1 saat	Pot Life	: 1 hour
Raf Ömrü	: 12 ay	Shelf Life	: 12 months

*Tablodaki değerler $+20^{\circ}\text{C}$ ve %50 bağıl nem değerlerine sahip ortamlarda alınmıştır.

Colour	: Grey
Material content	: Cement, mineral filler and special polymer additives
Fresh Mortar Hollow Unit Volume Mass	: $\geq 1200 \text{ kg/m}^3$
Hardened Mortar Hollow Unit Volume Mass	: $1300 \approx 100 \text{ kg/m}^3$
Adhesion to Thermal Insulation Board	: $\geq 0,08 \text{ N/mm}^2$ (28 day)
Flexural Strength	: $\geq 2,0 \text{ N/mm}^2$
Compressive Strength	: $\geq 6,0 \text{ N/mm}^2$
Grain Size	: $< 1 \text{ mm}$
Water Absorption	: $\leq 5 \text{ gr}$
Reaction to Fire	: Class A1
Application Thickness	: Min. 3 mm - Max. 8 mm
Maturation Time min	: min 5 minutes
Temperature Resistance	: $-30^{\circ}\text{C} / +80^{\circ}\text{C}$
Pot Life	: 1 hour
Shelf Life	: 12 months

*The values in the table are taken from an environment with 20°C and 50% relative humidity.



Tse 998-1 Standartlarına uygundur.



DEFINITION:

It is a final layer exterior decorative coating material reinforced with cement-based chemical additives, resistant to water, moisture and frost, used on the exterior facades of buildings and in thermal insulation systems.

APPLICATION AREAS:

It is used as the final layer decorative material of thermal insulation board covering plates such as EPS, XPS, Rockwool, on the walls and ceilings of interior and exterior spaces in all buildings.

SURFACE PREPARATION:

The surface to be applied must be clean and clear of all kinds of dirt, oil, construction dust, mold oils, etc. Plastered surfaces should be cleaned with a brush to prevent dust.

The application surface must be thoroughly saturated with water to prevent rapid water loss of the material. If rapid water loss is observed in the material during application, precautions must be taken.

HOW TO APPLY:

In a clean container, 1 bag of Düzkim Decorative Plaster (25 kg) is slowly added into 6–6.5 liters of clean water and mixed with a low-speed mixer until a homogeneous, lump-free mixture is obtained accordingly.

The prepared mixture is left to rest for 10 minutes, then mixed again for another one to two minutes and spread evenly over the surface using a steel trowel. The application thickness should be adjusted according to the pattern stone and the pattern should be given to the surface with a plastic trowel using circular movements. This operation should always be done while the decorative plaster is wet. If the pattern does not form on the plaster surface, it is too late for the cloverleaf. Patterns can be given by wetting the plaster surface.

PRECAUTIONS:

- Application under sun and strong wind should be avoided.
- The surface temperature must be between +5°C. Application should be made in temperatures between +25°C.
- If the surface temperature is above +25°C, the appropriate temperature required for plastering must be waited.
- Plaster should not be applied to surfaces that may be in danger of freezing within 24 hours.
- In the final coat applications of cladding systems, it must be ensured that the boards are firmly adhered to the surface and the plaster applied on them is completely dry.
- If possible, apply without interruption; if a break is necessary, divide the surface into areas of approximately 20 m² and apply separately.
- Apply the plastic finishing trowel within 10 minutes at the latest and do not allow a film layer to form on the plaster.
- Never add water or powder to expired mortar.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging. DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.



Decorative Plaster



Çimento esaslı olduğundan tozunu solumayınız. Cilde ve göze temas ettirmeyiniz. En fazla 10 kat istifile kuru ortamda depolayınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

Since it is cement based, do not breathe its dust. Do not let it come into contact with skin and eyes. Store in a dry environment with a maximum of 10 stacks. **R37/38:** Irritating to the respiratory system. **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask. **S46:** If it is swallowed, seek medical advice immediately.

Renk	: Beyaz	Colour	: White
Su Karşım Oran	: 6 – 6.5 kg su / 25 kg toz	Water Mixing Rate	: 6 – 6.5 kg water / 25 kg powder
Dinlendirme Süresi	: 5 dakika	Rest Time	: 5 minutes
Kıp Oranı	: 1 saat	Pot Life	: 1 hour
Uygulama Sıcaklığı	: +5°C ile +25°C arası	Application Temperature	: +5°C ile +25°C
CO Geçirgenliği	: 0	CO Permeability	: 0
Çatlak Örtme Özelliği	: A0	Crack Covering Feature	: A0
Kuru Film Kalınlığı	: E5	Dry Film Thickness	: E5
Tane Büyüklüğü	: S3	Grain Size	: S3
Su Buharı Akarım Hızı	: V2	Water Vapor Transmission Rate	: V2
Su Akarım Hızı	: W2	Water Transmission Rate	: W2
Uygulama Kalınlığı	: ~1,5-2 mm	Application Thickness	: ~1,5-2 mm
Zeminin Trafikçe Açılması İçin Gerektiği Süre	: 24 saat	Time Required for Floor to be Opened to Traffic	: 24 hours
Renk	: Beyaz	Colour	: White

*İkibardaki değerler 23 ± 2°C, 46 ve 100 ± 5 bağıl nem ortamı için verilen sürelerdir.

*Daha yüksek sıcaklıklar süreyi azaltırken, daha düşük sıcaklıklar ise süreyi uzatır.

*The above values are given for 23 ± 2°C and 50 ± 5% relative humidity.

*Higher temperatures shorten the duration, while lower temperatures extend the duration.



Tse 7847 Standartlarına uygundur.



DEFINITION:

It is a self-leveling screed containing cement-based modified additives and has high abrasion and pressure resistance.

APPLICATION AREAS:

It is used to level the surface before laying products such as tiles, marble, wood and parquet under laminate-like coverings, on underfloor heated floors, in places open to light traffic such as shopping malls, hospitals, educational institutions etc.

SURFACE PREPARATION:

The surface to be applied must be clean and clear of all kinds of dirt, oil, construction dust, mold oils, etc. Necessary repairs on old floors should be made with appropriate repair mortars. If the application is to be done on new concrete, the concrete must have sufficiently settled and gained its strength. In hot weather applications (if the surface temperature is above +25°C), the surface should be wetted 1-2 days in advance to ensure the appropriate temperature.

HOW TO APPLY:

In a clean container, 1 bag of Düzkim Self-Leveling Screed (25 kg) is slowly added into 5 kg of clean water and mixed with a low-speed mixer until a homogeneous, lump-free mixture is obtained accordingly. The prepared mixture is left to rest for 4-5 minutes, then mixed again for 1-2 minutes and the mixture in the container should be consumed within 15-20 minutes. A spiked roller is applied to the surface to prevent air bubbles. If two coats are to be applied, the first coat must be allowed to dry.

PRECAUTIONS:

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid applying in areas that are frozen, have a risk of freezing within 24 hours, or are exposed to direct sun and wind.
- If the surface temperature is above +25°C, the appropriate temperature required for the mortar should be waited for.
- It is not applied on floors that will be exposed to a lot of movement (mezzanine floors, stair steps) and very heavy traffic (factory floors, industrial floors, heavy-duty workshops, etc.).
- It is not a finishing material. It should not be left uncovered after application.
- It should be waited at least 3 days for the surface to be covered.
- Not suitable for slopes greater than 1%.
- Application thickness should be maximum 10 mm for a single layer. Layer application can be done.
- On old concrete surfaces, apply with surface repairs and a primer layer.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

CONSUMPTION:

1.6-1.8 kg/m² for 1 mm thickness. Consumption value is theoretical. The amount of consumption varies depending on the surface to be applied.



Self-Leveling Screed



Çimento esaslı olduğundan tozunu solumayınız. Cilde ve göze temas ettirmeyiniz. En fazla 10 kat istifile kuru ortamda depolayınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

Since it is cement based, do not breathe its dust. Do not let it come into contact with skin and eyes. Store in a dry environment with a maximum of 10 stacks. **R37/38:** Irritating to the respiratory system, **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask. **S46:** If it is swallowed, seek medical advice immediately.

Renk	: Gri	Colour	: Grey
Su Karışım Oranı	: 5 kg su / 25 kg toz	Water Mixing Rate	: 5 kg water / 25 kg powder
Dişlendirme Süresi	: 5 - 10 dakika	Rest Time	: 5 - 10 minutes
Kap Ömrü	: ~ 15 - 20 dakika	Pot Life	: ~ 15 - 20 minutes
Uygulama Sıcaklığı	: +5°C ile +25°C arası	Application Temperature	: +5°C ile +25°C
Kuru Yoğunluk	: 1400 ± 100 kg/m ³	Dry Density	: 1400 ± 100 kg/m ³
Harç Yoğunluğu	: 1900 ± 100 kg/m ³	Mortar Density	: 1900 ± 100 kg/m ³
Düzen Tekeleğe Karşı Açılma Direnci	: ≤ 1 cm * 28 Gün	Abrasion Resistance Against Rolling Wheel	: ≤ 1 cm * 28 day
Bazıya Dayanım	: ≥ 25 N/mm ² 28 Gün	Compressive Strength	: ≥ 25 N/mm ² 28 day
Eğilme Dayanımı	: ≥ 7 N/mm ² 28 Gün	Bending Strength	: ≥ 7 N/mm ² 28 Gün
Zeminin Trafiğe Açılması İçin Gerekli Süre	: 24 saat	Time Required for Floor to be Opened to Traffic	: 24 hours

*İkizdeki değerler 23 ± 2°C'de ve %50 ± 5 nem oranında için verilmektedir.

*Data values are given for 23 ± 2°C and 50 ± 5% relative humidity.

*İkizdeki değerler 23 ± 2°C'de ve 50 ± 5% nem oranında için verilmektedir.

*Data values are given for 23 ± 2°C and 50 ± 5% relative humidity.



DEFINITION:

It is a wear-resistant, powder surface hardener made of a mixture of special type cement aggregate and specially selected chemical additives for fresh concrete surfaces. Provides resistance to wear, impact, dust and abrasion against light and medium loads on concrete surfaces.

APPLICATION AREAS :

- Indoor and outdoor areas,
- At gas stations,
- In mechanical workshops,
- In the flooring of industrial facilities,
- In loading and unloading areas,
- In parks and gardens, pedestrian paths and sidewalks.

SURFACE PREPARATION:

The fresh concrete to be applied must contain sufficient cement and must be wet enough for the Düzkim Floor Hardener to absorb the moisture it needs. If the consistency of the concrete on the application surface is too solid, the surface cannot absorb the water necessary for the hardener reaction and therefore hardening does not occur. If the consistency is too watery, the surface hardener will penetrate into the poured concrete and the desired result will not be achieved.

HOW TO APPLY:

Düzkim Surface Hardener is sprinkled onto the surface manually or with appropriate tools at a rate of 4.5 – 5 kg per m² of product and distributed homogeneously. In order to prevent the product from deteriorating its structure and clumping, sprinkling should not be done from a long distance. Wait until the sprinkled material is wetted equally at every point on the surface. The material, which changes color after absorbing water, is combined with concrete by surface treatment with a helicopter. For the surface smoothing process, knife polishing is done at low speed and angle, and the surface is made shiny with knife polishing at the desired rate.

PRECAUTIONS:

- Water should not be thrown on the material during application.
- Avoid application at temperatures below +5°C and above +35°C.
- Avoid applying in areas that are frozen, have a risk of freezing within 24 hours, or are exposed to direct sun and wind.
- Excessive finishing should not be done, and the product should not be thrown far during application to prevent the separation of the aggregate from the cement.
- The surface should not be polished with a steel trowel or tray before applying Düzkim Floor Hardener.
- In correct applications, the ambient humidity is between 40 - 80% relative humidity. At low relative humidity, surface efflorescence may occur, at high relative humidity, surface sweating, slower curing and hardening may occur, and prolonged application may be required.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging. DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

CONSUMPTION:

At light and medium loads: 4.5 - 5 kg/m² (2-3mm thickness)

RENK:

Gri
Kırmızı



Ground Hardener



R37/38: Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyeti oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

R37/38: Irritating to the respiratory system. **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask. **S46:** If it is swallowed, seek medical advice immediately.

Renk : Gri , Kırmızı
Tüketim : 4-6 kg/m² (2-3 mm kalınlık için)
Uygulama Sıcaklığı : +5°C ila +35°C
Aşınma Mukavemeti : ≤ 3000 mg [1000 rpm, 1000 g yük]
Sıvı Emilimi : ≤ 0,1 kg/m².h⁻¹.s
Darbe Gücü : ≥ 20 Nm
Çekme Testi ile Yapışma Mukavemeti : ≥ 1,5 N/mm²

Colour : Grey , Red
Consumption : 4-6 kg/m² (For 2-3 mm thickness)
Application Temperature : +5°C ila +35°C
Abrasion Resistance : ≤ 3000 mg [1000 rpm, 1000 g load]
Liquid Absorption : ≤ 0,1 kg/m².h⁻¹.s
Impact Strength : ≥ 20 Nm
Adhesion Strength by Tensile Test : ≥ 1,5 N/mm²

*Maksimum derinlik 25 ± 1.5 cm, 6-in N20 ± 1.5 inç derinlik için verilen ölçülerdir.

*Data provided with reference to the test method.

*The above values are given for 25 ± 1.5 cm and 6-in N20 ± 1.5 inç derinlik için verilen ölçülerdir.

*Higher temperatures shorten the duration, while lower temperatures extend the duration.



DEFINITION:

It is a repair and leveling mortar reinforced with cement-based polymers and chemical additives.

APPLICATION AREAS:

- In the smoothing and repair of interior and exterior wall and ceiling plasters of buildings.
- On cement-based surfaces
- Repair of aesthetic cracks and gaps in concrete elements
- Repair and plastering of surfaces such as aerated concrete, exposed concrete, prefabricated concrete, briquette brick, etc. in reinforced concrete buildings and structures.
- Used to obtain a smooth and solid surface before the tile coating.

SURFACE PREPARATION:

The surface to be applied must be clean and clear of all kinds of dirt, oil, construction dust, mold oils, etc. Plastered surfaces should be cleaned with a brush to prevent dust. The application surface must be thoroughly saturated with water to prevent rapid water loss of the material. If rapid water loss is observed in the material during application, precautions must be taken.

HOW TO APPLY:

In a clean container, 1 bag of Düzkim Repair Mortar (25 kg) is slowly added into 6 -6.5 kg of clean water and mixed with a low-speed mixer until a homogeneous, lump-free mixture is obtained accordingly. The prepared mixture is left to rest for 10 minutes, then mixed again for another one to two minutes and spread evenly over the surface using a steel trowel. Do not add water to fresh mortar during application.

PRECAUTIONS

- Application under sun and strong wind should be avoided.
- The surface temperature must be between +5°C
- Application should be made in temperatures between +25°C.
- If the surface temperature is above +25°C, the appropriate temperature required for plastering must be waited.
- Plaster should not be applied to surfaces that may be in danger of freezing within 24 hours.
- Never add water or powder to expired mortar.
- After the application is completed, the surface should be kept moist until the mortar is cured.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging. DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

CONSUMPTION:

Approximately 1.3 - 1.5 kg/m² for 1 mm thickness. Consumption amounts are theoretical values, and we recommend performing a consumption-controlled sample application before application.

COLOR:

White
Grey



Repair Mortar

THIN/THICK



Çimento esaslı olduğundan tozunu solumayınız. Cilde ve göze temas ettirmeyiniz. En fazla 10 kat istifle kuru ortamda depolayınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

Since it is cement based, do not breathe its dust, Do not let it come into contact with skin and eyes. Store in a dry environment with a maximum of 10 stacks. **R37/38:** Irritating to the respiratory system, **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask. **S46:** If it is swallowed, seek medical advice immediately.

Renk	: Gri / Beyaz	Colour	: Grey / White
Su Karışım Oranı	: 6 - 6.5 kg su / 25 kg toz	Water Mixing Ratio	: 6 - 6.5 kg water / 25 kg powder
Uygulanabilecek Kat Kalınlığı	: Max 5 mm (tek seferde)	Applicable Layer Thickness	: Max 5 mm (at once)
Kap Ömrü	: Max 60 dakika	Pot Life	: Max 60 minutes
Uygulama Sıcaklığı	: +5°C ile +25°C arası	Application Temperature	: +5°C ile +25°C
Uygulama Kalınlığı	: 1-10 mm (İnce) 5-20 mm (Kalın)	Application Thickness	: 1-10 mm (Thin) 5-20 mm (Thick)
Katlar Arası Beklenmesi Gereken Süre	: Ortalama 3 saat	Time to Wait Between Layers	: Average 3 hours
Kullanıma Alma Süresi	: 6 saat	Time to Put into Service	: 6 hours
Basınç Dayanımı	: ≥ 10 N/mm ² (28 gün sonra)	Compressive Strength	: ≥ 10 N/mm ² (after 28 days)
Yapışma Mükemmeli	: ≥ 0.5 N/mm ² (28 gün sonra)	Adhesion Strength	: ≥ 0.5 N/mm ² (after 28 days)
Klor İçeriği	: \leq % 0.05	Chlorine Content	: \leq % 0.05
Yangına Tepki	: A1	Reaction to Fire	: A1

*Teknik bilgiler: +23°C hava sıcaklığında %50 nemli ortamda ölçülen değerlerdir.

*Technical information is approximate data obtained according to +23°C air temperature and 50% relative air humidity.



DEFINITION:

It is a cement-based surface plaster with high adhesion performance that can be applied by hand and machine.

APPLICATION AREAS:

It can be applied by machine or hand on surfaces such as exposed concrete, brick, pumice, aerated concrete, columns, beams, walls or ceilings in interior and exterior areas of buildings.

SURFACE PREPARATION:

The surface to be applied must be clean and clear of all kinds of dirt, oil, construction dust, mold oils, etc. Plastered surfaces should be cleaned with a brush to prevent dust.

The application surface must be thoroughly saturated with water to prevent rapid water loss of the material. If rapid water loss is observed in the material during application, precautions must be taken. Surface cracks to be applied should be repaired with a suitable repair mortar, and the application should be made according to the setting time of the repair mortar.

HOW TO APPLY:

In a clean container, 1 bag of hand and machine plastering (25 kg) is slowly added into 5 -6 kg of clean water and mixed with a low-speed mixer until a homogeneous, lump-free mixture is obtained accordingly.

The prepared mixture is left to rest for 5 minutes, then mixed again for another one to two minutes and spread evenly over the surface using a steel trowel for manual applications. In machine applications, it is applied by spraying. Total plaster thickness should not exceed 4 cm. The first layer should be applied at a distance of 1-2 cm. In applications exceeding 2 cm thickness, the second layer can be applied with a thickness of 1-2 cm after the first layer has set.

PRECAUTIONS:

- Application under sun and strong wind should be avoided.
- The surface temperature must be between +5°C. Application should be made in temperatures between +35°C.
- If the surface temperature is above +35°C, the appropriate temperature required for plastering must be waited.
- Plaster should not be applied to surfaces that may be in danger of freezing within 24 hours.
- Never add water or powder to expired mortar.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

CONSUMPTION:

12-13 kg/m² for 1 cm thick plaster application. Consumption amounts are theoretical values, and we recommend performing a consumption-controlled sample application before application.

COLOR:
White
Grey



Hand and Machine Plaster

RUDE / THIN



Çimento esaslı olduğundan tozunu solumayınız. Cilde ve göze temas ettirmeyiniz. En fazla 10 kat istifile kuru ortamda depolayınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

Since it is cement based, do not breathe its dust, Do not let it come into contact with skin and eyes. Store in a dry environment with a maximum of 10 stacks. **R37/38:** Irritating to the respiratory system. **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask. **S46:** If it is swallowed, seek medical advice immediately.

Renk	: Gri	Colour	: Grey
Su Karışım Oranı	: 5-5,5 kg su / 25 kg toz	Water Mixing Ratio	: 5-5,5 kg water / 25 kg powder
Malzeme İçeriği	: Çimento, mineral dolgu ve kimyasal katkılar içerir	Material Content	: Contains cement, mineral fillers and chemical additives
Su Buharı Geçirgenlik Katsayısı	: $\mu \leq 25$	Water Vapour Permeability Coefficient	: $\mu \leq 25$
Sıcaklık Dayanımı	: -30 OC / +70 OC	Temperature Resistance	: -30 OC / +70 OC
Açık Bekleme Süresi	: Max.20 dakika	Open Waiting Time	: Max.20 minutes
Olgunlaşma süresi	: Min. 5 dakika	Maturation Time	: Min. 5 minutes
Kap ömrü	: 1 saat	Pot Life	: 1 hour
Bastırç Dayanımı	: ≥ 8 N/mm ²	Compressive Strength	: ≥ 8 N/mm ²
Gevşek Birim Ağırlık	: ≤ 1600 kg/m ³	Loose Unit Weight	: ≤ 1600 kg/m ³
Tanglana Tepki	: A1	Reaction to Fire	: A1

*Teknik bilgiler +21°C hava sıcaklığında ve %95 nemli ortamda gözetilerek elde edilmiştir.

*Technical information is approximate data obtained according to +21°C air temperature and 95% relative air humidity.



DEFINITION:

It is a cement-based, polymer-reinforced adhesive mortar used in the installation of high-stability roof ridge tiles.

APPLICATION AREAS:

It is used to bond and fix the roof ridge tiles of buildings in order to prevent the deterioration of their color appearance.

SURFACE PREPARATION:

The surface to be applied must be clean and clear of all kinds of dirt, oil, construction dust, mold oils, etc. Plastered surfaces should be cleaned with a brush to prevent dust. Surfaces requiring repair on the application surfaces should be repaired with appropriate repair mortars at least 3-4 days in advance. The application surface should be moistened with water.

HOW TO APPLY:

In a clean container, 1 bag of Düzkim Ridge Mortar (25 kg) is slowly added into 6-6.5 liters of clean water and mixed with a low-speed mixer until a homogeneous, lump-free mixture is obtained accordingly. The prepared mixture is left to rest for 5 minutes, then mixed again for another one to two minutes until homogeneous. The prepared mixture should be consumed within 1 hour. The ridges are bonded together with ridge mortar while being placed on the roof keel. The ridge is filled with ridge mortar, leaving no open sides. After 1 hour, the final shape is given with a damp sponge. Do not step on the ridge tiles and applied surfaces until they have completely hardened.

PRECAUTIONS:

- Application under sun and strong wind should be avoided.
- Application must be made when the surface temperature is between +5°C and +35°C.
- If the surface temperature is above +35°C, the appropriate temperature required for plastering must be waited.
- Plaster should not be applied to surfaces that may be in danger of freezing within 24 hours.
- Never add water or powder to expired mortar.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

CONSUMPTION:

Average 600 gr (1 ridge)
Consumption amounts are theoretical values, and we recommend performing a consumption-controlled sample application before application.

COLOR:

Red
Grey



Ridge Mortar



Çimento esaslı olduğundan tozunu solumayınız. Cilde ve göze temas ettirmeyiniz. En fazla 10 kat istifile kuru ortamda depolayınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

Since it is cement based, do not breathe its dust, Do not let it come into contact with skin and eyes. Store in a dry environment with a maximum of 10 stacks. **R37/38:** Irritating to the respiratory system, **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask. **S46:** If it is swallowed, seek medical advice immediately.

Renk	: Kırmızı / Gri	Color	: Red / Grey
Su Karşım Oranı	: 6-6,5 kg su / 25 kg toz	Water Mixing Ratio	: 6-6.5 kg water / 25 kg powder
Uygulama sıcaklığı	: +5°C ile +25°C derece arası	Application temperature	: +5°C to +25°C degrees
Haran dinlenme süresi	: 5-10 dk	Mortar resting time	: 5-10 min
Kuruma süresi	: 24 saat	Drying time	: 24 hour
Kabuklaşma süresi	: Ort. 1 saat	Scaling time	: Average 1 hour
Kap ömrü	: 1 saat	Pol life	: 1 hour
Yangına tepki	: A1	Reaction to fire	: A1
Sıcaklık dayanımı	: -25°C ile +70°C	Temperature resistance	: -25°C ile +70°C

*Teknik bilgiler +21°C hava sıcaklığına ve 50% relatif hava nem oranına göre elde edilen yapılaşma verileridir.

*Technical information is approximate data obtained according to +21°C air temperature and 50% relative air humidity.





Grout Mortar

C30 - C60



Çimento esaslı olduğundan tozunu solumayınız. Cilde ve göze temas ettirmeyiniz. En fazla 10 kat istifile kuru ortamda depolayınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

Since it is cement based, do not breathe its dust. Do not let it come into contact with skin and eyes. Store in a dry environment with a maximum of 10 stacks. **R37/38:** Irritating to the respiratory system. **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask. **S46:** If it is swallowed, seek medical advice immediately.

Renk	: Gri
Su Karışım Oranı	: 3-5 kg su / 25 kg toz
Malzeme İçeriği	: Çimento bazlı toz
Uygulama sıcaklığı	: +5 °C +25 °C
Uygulama kalınlığı	: Min. 10 mm Maks. 80 mm
Kapama süresi	: Max. 20 dakika
Boracık Dayanımı	: ≥ 45 N/mm ²
Eğilme dayanımı	: ≥ 8 N/mm ²
Yapışma dayanımı	: $>2,0$ N/mm ²
Tom kırılma süresi	: 28 gün
Trafikçe açılma süresi	: 24 saat
Yangın sınıfı	: A1

*Sıcaklık: +22°C, nemlilik: %50, 50% nemli ortamda güneşli ortamda depolanır.

*High temperatures shorten the duration. Low temperatures extend them.

Colour	: Grey
Water Mixing Rate	: 3-5 kg water / 25 kg powder
Material Content	: Cement based powder
Application temperature	: +5 °C +25 °C
Application thickness	: Min. 10 mm Maks. 80 mm
Put life	: Max. 20 minutes
Compressive Strength	: ≥ 45 N/mm ²
Bonding strength	: ≥ 8 N/mm ²
Adhesion strength	: $>2,0$ N/mm ²
Full cure time	: 28 day
Traffic opening time	: 24 hours
Fire class	: A1

*Sıcaklık: +22°C, nemlilik: %50, 50% nemli ortamda güneşli ortamda depolanır.

*High temperatures shorten the duration. Low temperatures extend them.

DEFINITION:

It is a polymer reinforced self-leveling product with high compressive strength used for fixing all kinds of industrial machines and columns such as cast, steel and prefabricated reinforced with special cement-based additives.

APPLICATION AREAS:

- Indoor and outdoor areas,
- In the assembly of prefabricated concrete building elements,
- In fixing steel columns to the foundation,
- Fixing industrial machines that emit vibration, such as compressors, generators, etc.
- It is used for the repair of manholes and similar areas exposed to heavy pedestrian traffic.

SURFACE PREPARATION:

Before application, surfaces and mounting materials must be cleaned of materials that prevent adhesion such as dust, oil, rust, paint, curing agent, detergent, mold oil and silicone, and saturated with water. In floor applications, the surface to be applied must be cleared of all kinds of waste material.

HOW TO APPLY:

In a clean container, 1 bag of Düzkim Grout Mortar (25 kg) is slowly added into 3 -5 kg of clean water and mixed with a low-speed mixer until a homogeneous, lump-free mixture is obtained accordingly. The prepared mixture is left to rest for 1-2 minutes, then mixed again to become ready for use. The prepared mortar should be poured unidirectionally onto the application area without wasting any time. It must be ensured that no air bubbles remain during the pouring of the mortar. Due to its fluid structure, prolonged and intense vibrator use should not be used.

The prepared mortar should be applied within 15 minutes. In surface applications, the first layer is applied up to 4 cm and after the first layer has had its first set for 24 hours, the 2nd layer is applied. Application should be done in layers.

PRECAUTIONS:

- Application under sun and strong wind should be avoided.
- The surface temperature must be between +5°C Application should be made in temperatures between +35°C.
- If the surface temperature is above +35°C, the appropriate temperature required for plastering must be waited.
- Plaster should not be applied to surfaces that may be in danger of freezing within 24 hours.
- Never add water or powder to expired mortar.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 6 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

CONSUMPTION:

- Maximum 8 kg/m² for 5 mm thickness (minimum 3 m² with 25 kg packaging).
- Product consumption may vary depending on the surface smoothness, slope, and application thickness.



DEFINITION:

It is a two-component waterproofing material with a flexible structure reinforced with special additives based on cement and acrylic. It is applied internally and externally on concrete curtains and cement-based plasters against leaks and surface water.

APPLICATION AREAS:

- Indoor and outdoor areas,
- In wet areas such as bathrooms, toilets and kitchens.
- On terraces and roof systems.
- Foundation insulation and retaining walls.
- Water tanks, swimming and ornamental pools.
- In spas and baths.

SURFACE PREPARATION:

Before application, surfaces and mounting materials must be cleaned of materials that prevent adhesion such as dust, oil, rust, paint, curing agent, detergent, mold oil and silicone, and saturated with water. In floor applications, the surface to be applied must be cleared of all kinds of waste material.

HOW TO APPLY:

Acrylic liquid component B is placed in a clean container and component A powder is slowly added and mixed with a low speed mixer. The prepared mixture is obtained in a way that it becomes homogeneous and lump-free. The prepared mixture should be applied with a brush in two or three layers, horizontally and vertically. The prepared mixture must be applied within 1 hour.

PRECAUTIONS:

- Application under sun and strong wind should be avoided.
 - The surface temperature must be between +5°C
- Application should be made in temperatures between +35°C.
- If the surface temperature is above +35°C, the appropriate temperature required for plastering must be waited.
 - Risk of frost within 24 hours
- Plaster should not be applied to surfaces where it may occur.
- Never add water or powder to expired mortar.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

CONSUMPTION:

- For a thickness of 3 mm, a maximum of 4.5 kg/m² (minimum 7 m² coverage with a 20 kg powder package and 10 kg acrylic liquid).
- Product consumption may vary depending on the surface smoothness, slope, and application thickness.



Two-Component Waterproofing Material Component

A/B COMPONENT
FULL ELASTIC
20 + 10 KG



Çimento esaslı olduğundan tozunu solumayınız. Cilde ve göze temas ettirmeyiniz. En fazla 10 kat istifile kuru ortamda depolayınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

Since it is cement based, do not breathe its dust. Do not let it come into contact with skin and eyes. Store in a dry environment with a maximum of 10 stacks. **R37/38:** Irritating to the respiratory system, **R41:** Risk of serious damage to the eyes **R43:** May cause sensitization in case of skin contact. **S2:** Keep the products out of reach of children. **S22:** Do not breathe dust. **S24/25:** Avoid contact with eyes and skin. **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S37/39:** Use suitable protective gloves, protective glasses/mask. **S46:** If it is swallowed, seek medical advice immediately.

Renk	: Gri
Sıvı Karışım Oranı	: 10 kg akriliklik sıvı / 20 kg toz
Malzeme İçeriği	: Çimento bazlı toz + akriliklik sıvı
Uygulama sıcaklığı	: +5°C +35°C
Uygulama kalınlığı	: Min. 1 mm Maks. 4 mm
Kap ömrü	: Max. 60 dakika
Tam kürlenme süresi	: 28 gün
Trafikçe açılma süresi	: 24 saat
Yangın sınıfı	: A1

Colour	: Grey
Liquid Mixing Ratio	: 10 kg acrylic liquid / 20 kg powder
Material Content	: Cement based powder + acrylic liquid
Application temperature	: +5°C +35°C
Application thickness	: Min. 1 mm Maks. 4 mm
Pot life	: Max. 60 minutes
Full cure time	: 28 day
Traffic opening time	: 24 hours
Fire class	: A1

*Sıcaklık 10°C +22°C hava sıcaklığına ve 50% nispete göre alınmıştır. Yüksek sıcaklıkta kullanılmamalıdır.

*Technical information is approximate data obtained according to +22°C air temperature and 50% relative air humidity. High temperatures shorten the duration, low temperatures extend them.





Two-Component Waterproofing Material Component

A/B COMPONENT
SEMI ELASTIC
20 + 10 KG

D Glatt

Çimento esaslı olduğundan tozunu solumayınız. Cilde ve göze temas ettirmeyiniz. En fazla 10 kat istifle kuru ortamda depolayınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

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Renk : Gri
Sıvı Karışım Oranı : 10 kg akrilik sıvı / 20 kg toz
Malzeme İçeriği : Çimento bazlı toz + akrilik sıvı
Uygulama sıcaklığı : +5 °C +35 °C
Uygulama kalınlığı : Min. 1 mm Maks. 4 mm
Kop ömrü : Max. 60 dakika
Tam kurlenme süresi : 28 gün
Trafğe açılma süresi : 24 saat
Yangın sınıfı : A1

Colour : Grey
Liquid Mixing Ratio : 10 kg acrylic liquid / 20 kg powder
Material Content : Cement based powder + acrylic liquid
Application temperature : +5 °C +35 °C
Application thickness : Min. 1 mm Maks. 4 mm
Pot life : Max. 60 minutes
Full cure time : 28 day
Traffic opening time : 24 hours
Fire class : A1

*Sıcaklık +23°C'ten aşağıysa ve 50% ıslaklık varsa nem oranına göre eklenmiş yalıtım kalınlığıdır.
*Ustalık şartlarında simbeni tezlikte dışarı çıkarılabilir.

*Technical information is approximate data obtained according to +23°C air temperature and 50% relative air humidity.
*High temperatures shorten the duration, low temperatures extend them.

DEFINITION:

with a flexible structure reinforced with special additives based on cement and acrylic. It is applied internally and externally on concrete curtains and cement-based plasters against leaks and surface water.

APPLICATION AREAS:

- Indoor and outdoor areas,
- In wet areas such as bathrooms, toilets and kitchens,
- On terraces and roof systems,
- Foundation insulation and retaining walls,
- Water tanks, swimming and ornamental pools,
- In spas and baths,

SURFACE PREPARATION:

Before application, surfaces and mounting materials must be cleaned of materials that prevent adhesion such as dust, oil, rust, paint, curing agent, detergent, mold oil and silicone, and saturated with water. In floor applications, the surface to be applied must be cleared of all kinds of waste material.

HOW TO APPLY:

Acrylic liquid component B is placed in a clean container and component A powder is slowly added and mixed with a low speed mixer. The prepared mixture is obtained in a way that it becomes homogeneous and lump-free. The prepared mixture should be applied with a brush in two or three layers, horizontally and vertically. The prepared mixture must be applied within 1 hour.

PRECAUTIONS:

- Application under sun and strong wind should be avoided.
- The surface temperature must be between +5°C. Application should be made in temperatures between +35°C.
- If the surface temperature is above +35°C, the appropriate temperature required for plastering must be waited.
- Plaster should not be applied to surfaces that may be in danger of freezing within 24 hours.
- Never add water or powder to expired mortar.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

CONSUMPTION:

- For a thickness of 3 mm, a maximum of 4.5 kg/m² (minimum 7 m² coverage with a 20 kg powder package and 10 kg acrylic liquid).
- Product consumption may vary depending on the surface smoothness, slope, and application thickness.



DEFINITION:

It is a two-component waterproofing material with a flexible structure reinforced with special additives based on cement and acrylic. It is applied internally and externally on concrete curtains and cement-based plasters against leaks and surface water.

APPLICATION AREAS:

- Indoor and outdoor areas,
- In wet areas such as bathrooms, toilets and kitchens,
- On terraces and roof systems,
- Foundation insulation and retaining walls,
- Water tanks, swimming and ornamental pools,
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SURFACE PREPARATION:

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 - Risk of frost within 24 hours
- Plaster should not be applied to surfaces where it may occur.
- Never add water or powder to expired mortar.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

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All the tools used in the application should be cleaned with plenty of water.

CONSUMPTION

- For a thickness of 3 mm, a maximum of 4.5 kg/m² (minimum 7 m² coverage with a 20 kg powder package and 10 kg acrylic liquid).
- Product consumption may vary depending on the surface smoothness, slope, and application thickness.



Two-Component Waterproofing Material Component

A/B COMPONENT
FULL ELASTIC 20+5 KG



Çimento esaslı olduğundan tozunu solumayınız. Cilde ve göze temas ettirmeyiniz. En fazla 10 kat istifile kuru ortamda depolayınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temasında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temasından sakının. **S26:** Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

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Renk	: Gri
Sıvı Karışım Oranı	: 10 kg akriliklik sıvı / 20 kg toz
Malzeme İçeriği	: Çimento bazlı toz + akriliklik sıvı
Uygulama sıcaklığı	: +5°C +35°C
Uygulama kalınlığı	: Min. 1 mm Maks. 4 mm
Kap ömrü	: Max. 60 dakika
Tam kürlenme süresi	: 28 gün
Trafiğe açılma süresi	: 24 saat
Yangın sınıfı	: A1

Colour	: Grey
Liquid Mixing Ratio	: 10 kg acrylic liquid / 20 kg powder
Material Content	: Cement based powder + acrylic liquid
Application temperature	: +5°C +35°C
Application thickness	: Min. 1 mm Maks. 4 mm
Pot life	: Max. 60 minutes
Full cure time	: 28 day
Traffic opening time	: 24 hours
Fire class	: A1

*Sıcaklık 10°C +22°C hava sıcaklığına ve 50% nispetli hava nemine göre elde edilen verilerdir.
*High temperature shorten the duration, low temperature extend them.

*Technical information is approximate data obtained according to +22°C air temperature and 50% relative air humidity.
*High temperature shorten the duration, low temperature extend them.





Two-Component Waterproofing Material Component

A/B COMPONENT
SEMI ELASTIC
20 + 5 KG



Çimento esaslı olduğundan tozunu solumayınız. Cilde ve göze temas ettirmeyiniz. En fazla 10 kat istifle kuru ortamda depolayınız. **R37/38:** Solunum sistemini tahriş eder. **R41:** Gözde ciddi hasar riski **R43:** Cilt ile temastında hassasiyet oluşturabilir. **S2:** Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. **S22:** Tozlarını solumayın. **S24/25:** Göz ve cilt ile temastından sakının. **S26:** Göz ile temastında derhal bol su ile yıkayın ve doktora başvurunuz. **S37/39:** Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. **S46:** Yutulması halinde hemen bir doktora başvurun.

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Renk	: Gri	Colour	: Grey
Sıvı Karışım Oranı	: 10 kg akrilik sıvı / 20 kg toz	Liquid Mixing Ratio	: 10 kg acrylic liquid / 20 kg powder
Malzeme İçeriği	: Çimento bazlı toz + akrilik sıvı	Material Content	: Cement based powder + acrylic liquid
Uygulama sıcaklığı	: +5 °C +35 °C	Application temperature	: +5 °C +35 °C
Uygulama kalınlığı	: Min. 1 mm Maks. 4 mm	Application thickness	: Min. 1 mm Maks. 4 mm
Kap ömrü	: Max. 60 dakika	Pot life	: Max. 60 minutes
Tam kürlenme süresi	: 28 gün	Full cure time	: 28 day
Trafığe açılma süresi	: 24 saat	Traffic opening time	: 24 hours
Yangın sınıfı	: A1	Fire class	: A1

*Sıcaklık +23°C'te test edilmiştir. 50% nem oranında göze etkisi olan yüksek ıslaklık.

*Türk testleri için standartlar, diğer standartlar için.

*Technical information is approximate data obtained according to +23°C air temperature and 50% relative air humidity.

*High temperatures shorten the duration, low temperatures extend them.

DEFINITION:

It is a two-component waterproofing material with a flexible structure reinforced with special additives based on cement and acrylic. It is applied internally and externally on concrete curtains and cement-based plasters against leaks and surface water.

APPLICATION AREAS:

- Indoor and outdoor areas,
- In wet areas such as bathrooms, toilets and kitchens,
- On terraces and roof systems,
- Foundation insulation and retaining walls,
- Water tanks, swimming and ornamental pools,
- In spas and baths,

SURFACE PREPARATION:

Before application, surfaces and mounting materials must be cleaned of materials that prevent adhesion such as dust, oil, rust, paint, curing agent, detergent, mold oil and silicone, and saturated with water. In floor applications, the surface to be applied must be cleared of all kinds of waste material.

HOW TO APPLY:

Acrylic liquid component B is placed in a clean container and component A powder is slowly added and mixed with a low speed mixer.

The prepared mixture is obtained in a way that it becomes homogeneous and lump-free.

The prepared mixture should be applied with a brush in two or three layers, horizontally and vertically. The prepared mixture must be applied within 1 hour.

PRECAUTIONS:

- Application under sun and strong wind should be avoided.
 - The surface temperature must be between +5°C
- Application should be made in temperatures between +35°C.
- If the surface temperature is above +35°C, the appropriate temperature required for plastering must be waited.
 - Risk of frost within 24 hours
- Plaster should not be applied to surfaces where it may occur.
- Never add water or powder to expired mortar.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water.

CONSUMPTION:

- For a thickness of 3 mm, a maximum of 4.5 kg/m² (minimum 7 m² coverage with a 20 kg powder package and 10 kg acrylic liquid).
- Product consumption may vary depending on the surface smoothness, slope, and application thickness.



DEFINITION:

Acrylic emulsion-based, water-based liquid curing material applied over freshly poured concrete surfaces, forming a film layer that prevents rapid water loss in the concrete.

APPLICATION AREAS:

- On concrete roadsides, bridges,
- In channels and canals,
- In airport and field concretes,
- In concrete applications in places where humidity is low and evaporation is high.

FEATURES:

- By forming a film layer, it retains moisture inside the concrete and facilitates cement hydration.
- It is more effective and economical than cure methods such as sacking, burlap and irrigation.
- Provides a harder and dust-free surface.
- Reduces shrinkage cracks on the surface caused by rapid drying.
- Penetrates into fresh concrete, does not leave a layer, does not peel off from the surface and does not dust.
- All cement or resin based applications can be done on the cured surface.
- It is water-based and can be used in interior applications.

HOW TO APPLY:

It is applied homogeneously on the freshly poured concrete with a spray gun or roller. It is applied to the leveled surfaces of field, road and floor concretes and to the surfaces of molded concretes that have lost their shine after the molds are removed. In open air and windy environments, the second layer can be applied within 6 hours after the first layer application. Tools and equipment used during application should be cleaned with water.

PRECAUTIONS:

- Tone differences may occur in non-homogenous applications.
- May be harmful to health in contact with skin.
- Do not apply in weather conditions where there is frost or a risk of frost.
- Protect the applied surface from rain, frost, pedestrian traffic, and high humidity until it is completely dry.
- Do not apply under conditions where the surface and ambient temperature are below +5°C or above +35°C.

STORAGE AND SHELF LIFE:

It should be stored in a dry and cool environment, in its unopened original packaging, protected from frost. Shelf life is 12 months from the date of production under appropriate storage conditions. Opened packages must be tightly closed.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

PACKAGING TYPE:

- 10 kg Drum
- 25 kg Drum



Concrete Cure

10 KG / 25 KG



R37/38: Solunum sistemini tahriş eder. R41: Gözde ciddi hasar riski R43: Cilt ile temasında hassasiyet oluşturabilir. S2: Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. S22: Tozlarını solumayın. S24/25: Göz ve cilt ile temasından sakının. S26: Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. S37/39: Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. S46: Yutulması halinde hemen bir doktora başvurun.

R37/38: Irritating to respiratory system. R41: Risk of serious damage to eyes. R43: May cause sensitization by skin contact. S2: Keep products out of reach of children. S22: Do not breathe dust. S24/25: Avoid contact with eyes and skin. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39: Wear suitable protective gloves, eye protection/mask. S46: If swallowed, seek medical advice immediately.

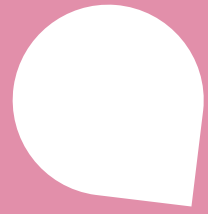
Renk	: Gri
Sıvı Karışım Oranı	: 10 kg akrilik sıvı
Malzeme İçeriği	: Akrilik sıvı
Uygulama sıcaklığı	: +5 C +30 °C
Uygulama kalınlığı	: Min. 1 mm Maks. 4 mm
Kap ömrü	: Max. 60 dakika
Trafğe açılma süresi	: 24 saat
Yangın sınıfı	: A1

Colour	: Grey
Liquid Mixing Ratio	: 10 kg acrylic liquid
Material Content	: Acrylic liquid
Application temperature	: +5 C + 30 C
Application thickness	: Min. 1 mm Maks. 4 mm
Pot life	: Max. 60 minutes
Traffic opening time	: 24 hours
Fire class	: A1

*Tanak iletken +27°C hava sıcaklığı ve 50% relatif nem ortamında ölçülmüştür.
*Tanak iletken ortamda ölçülmüştür.

*Technical information is approximate data obtained according to +27°C air temperature and 50% relative air humidity.
*High temperatures shorten the duration, low temperatures extend them.





Exposed Concrete Lining

5 KG / 12 KG / 15 KG



İstenilen kıvama göre %10 - %20 oranında su ilave edilerek düşük devirli mikser yardımıyla 3-5 dakika karıştırılır. İçerisinde toprak kalmayacak şekilde homojen karışım elde edildikten ürün rulo yardımıyla önceden hazırlanmış yüzeye uygulanır. Uygulama yapılırken her 5 dakikada bir ürün karıştırılmalıdır. Kuru ve serin ortamda, ağzı açılmamış orijinal ambalajında, dondan korunarak depolanmalıdır. Raf ömrü, uygun depolama koşullarında, üretim tarihinden itibaren 12 aydır.

Add 10% to 20% water, depending on the desired consistency, and mix with a low-speed mixer for 3-5 minutes. Once a homogeneous, lump-free mixture is achieved, the product is applied to the prepared surface using a roller. Stir the product every 5 minutes during application. Store in a cool, dry place, in its original, unopened packaging, protected from frost. The shelf life is 12 months from the date of production under appropriate storage conditions.

Sarıfiyat	: Tek katta yüzeye bağlı olarak 1 kg ile 4-7 m ² alan astarlanır.	Consumption	: Depending on the surface, 4-7 m ² of area is primed with 1 kg in one coat.
Görünüm renk	: Kırmızı	Appearance color	: Red
Yoğunluk	: 1,3 ± 0,02 gr/ cm ³	Density	: 1.3 ± 0.02 g/ cm ³
Kuruma Süresi	: 30 dak.	Dry Time	: 30 min.
Tam Kuruma Süresi	: 24 saat	Full Drying Time	: 24 hours
Uygulama Sıcaklığı	: + 5 °C ile + 35 °C	Application Temperature	: + 5 °C to + 35 °C

*Hava ıslaklığı = 20°C'de en az 65% nispete göre ölçülmüştür.
*Hava sıcaklığı = 20°C'de ölçülmüştür.

*Technical information is approximate data obtained according to: + 23°C air temperature and 50% relative air humidity.
*High temperatures shorten the duration, low temperatures extend them.

DEFINITION:

It is a primer material used on exposed concrete surfaces, walls, columns and ceilings, which increases adherence and prepares the surface for coating processes. Düzgün exposed concrete primer reduces the absorpency of the concrete and ensures better adhesion of the coating materials such as cement-based plaster and gypsum to be applied on it.

APPLICATION AREAS:

- On concrete surfaces before coating on interior and exterior walls
- Protection of raw concrete surfaces, especially on ceiling and floor surfaces, and better adhesion of the material to be applied.
- Better adhesion of plaster and gypsum before plastering.
- Preparing the concrete surface for floor coverings before epoxy and polyurethane coating
- In decorative coating applications, it is applied to the concrete before the coating material that gives the concrete effect.

FEATURES:

- Increases adherence on the surface
- Prevents dusting
- Balances absorpency
- Easy to apply

SURFACE PREPARATION:

The surface to be applied must be cleaned of all oil, grease, rust, and paraffin residues; if there are cracks or voids on the surface, they must be repaired with repair mortar.

HOW TO APPLY:

Depending on the desired consistency, 10% - 20% water is added and mixed with a low-speed mixer for 3-5 minutes. After obtaining a homogeneous mixture without any lumps, the product is applied to the previously prepared surface using a roller. The product should be mixed every 5 minutes during application. Tools and equipment used during application should be cleaned with water.

PRECAUTIONS:

Storage areas are ventilated. During application, appropriate goggles, protective gloves, mask, and work clothing must be worn.

In case of contact with skin and eyes, wash immediately with plenty of soap and water. If swallowed, seek medical help immediately. Food and drink materials should not be brought into the application area. Keep out of reach of children.

STORAGE AND SHELF LIFE:

It should be stored in a dry and cool environment, in its unopened original packaging, protected from frost.

Shelf life is 12 months from the date of production under appropriate storage conditions. Opened packages must be tightly closed.

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PACKAGING TYPE:

- 5 kg bucket
- 12 Kg bucket
- 15 Kg bucket



DEFINITION:

It is a ready-to-use liquid concrete and mortar additive that provides water impermeability and does not change the setting time.

APPLICATION AREAS:

- In structures where water impermeability is required
- Exterior plasters of structures such as water tanks, pools, terrace roofs
- For foundations and retaining walls

SURFACE PREPARATION:

Before application, surfaces and installation materials must be free from dust, oil, rust, paint, curing compounds, detergents, form release agents, silicone, and other substances that may prevent adhesion.

HOW TO APPLY:

Mix and shake Düzkim cement mortar additive thoroughly before application. In applications where water impermeability is required, it should be added to the mortar mixing water at a rate of 1/10.

STORAGE AND SHELF LIFE:

Under dry and cool storage conditions, the shelf life is 12 months from the date of production in its original packaging. Protect from frost. DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

CLEANING OF THE TOOLS:

All the tools used in the application should be cleaned with plenty of water

PACKAGING TYPE:

- 5 Kg Drum
- 10 Kg Drum
- 25 Kg Drum



Cement Mortar Additive

5 KG / 10 KG / 25 KG



Kuru ve serin depolama şartlarında raf ömrü orijinal ambalajında üretim tarihinden itibaren 12 aydır. Dondan koruyunuz. Ürün kullanım amacı dışında kullanıldığı takdirde oluşabilecek sorunlardan DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN.VE TİC.LTD.ŞTİ sorumlu değildir.

The shelf life is 12 months from the date of production in its original packaging under dry and cool storage conditions. Protect from frost. DÜZGÜNLER CHEMICAL CONSTRUCTION PRODUCTS INDUSTRY AND TRADE LTD.CO. is not responsible for any problems that may occur if the product is used outside its intended purpose.

Renk : Beyaz sıvı
Sıvı Karışım Oranı : %10 akrilik sıvı
Uygulama sıcaklığı : +5 C +30 °C

Color : White liquid
Water Mixing Ratio : 10% acrylic liquid
Application temperature : +5 °C +30 °C

*Teknik bilgiler +23°C hava sıcaklığına ve 50% relatif hava nemi oranına göre elde edilen yaklaşık verilerdir.

*Technical information is approximate data obtained according to +23°C air temperature and 50% relative air humidity. * High temperatures shorten the durations, low temperatures extend them.





Ceramic Primer

5 KG / 12 KG / 15 KG



Depolama alanları havalandırılmalıdır. Uygulama sırasında, uygun gözlük, koruyucu eldiven, maske ve iş elbisesi kullanılmalıdır. Cilde ve göze temas etmesi halinde hemen bol su ve sabun ile yıkanmalı, yutulması durumunda acilen tıbbi yardım alınmalıdır. Uygulama alanına yiyecek ve içecek maddeleri sokulmamalıdır. Çocukların erişemeyeceği yerde saklayın.

Storage areas must be ventilated. During application, appropriate eyewear, protective gloves, a mask, and work clothing must be worn. In case of contact with skin or eyes, wash immediately with plenty of soap and water. If swallowed, seek immediate medical attention. Food and drink should not be brought into the application area. Keep out of reach of children.

Sarıfiyat : Tek katta yüzeye bağlı olarak
1 kg ile 4-7 m² alan astarlanır.
Görünüm renk : Kırmızı
Yoğunluk : 1,3 ± 0,02 gr / cm³
Kuruma Süresi : 30 dak.
Tam Kuruma Süresi : 24 saat
Uygulama Sıcaklığı : + 5 °C ile + 35 °C

Consumption : Depending on the surface, 4-7 m²
of area is primed with 1 kg in one coat.
Appearance color : Red
Density : 1,3 ± 0,02 g / cm³
Dry Time : 30 min.
Full Drying Time : 24 hours
Application Temperature : + 5 °C to + 35 °C

*Sıcaklık: + 20 °C, nem: %50, rüzgar hızı: 0,5 m/s, ışık: 500 lux, yüzey sıcaklığı: + 20 °C

*Technical information is approximate data obtained according to + 22 °C air temperature and 50% relative air humidity.
* High temperatures shorten the duration, low temperatures extend them.

DEFINITION:

It is a single component, ready-to-use, acrylic-based primer material that facilitates the application of new applications on tile applications. It increases the adherence of tile, marble, mosaic, wood and glassy coating materials and enables the application of new coatings.

APPLICATION AREAS:

- Enables the application of new coating material on tiles.
- Enables the application of new coating material on marble and mosaic.
- Enables the application of new coating material on wooden and glassy coatings.

FEATURES:

- Provides adherence between surfaces.
- Prevents dusting
- Balances absorbency
- Easy to apply

SURFACE PREPARATION:

The surface to be applied must be cleaned of all oil, grease, rust, and paraffin residues; if there are cracks or voids on the surface, they must be repaired with repair mortar.

HOW TO APPLY:

Depending on the desired consistency, 5% - 10% water is added and mixed with a low-speed mixer for 3-5 minutes. After obtaining a homogeneous mixture without any lumps, the product is applied to the previously prepared surface using a roller. The product should be mixed every 5 minutes during application. Tools and equipment used during application should be cleaned with water.

PRECAUTIONS:

Storage areas are ventilated. During application, appropriate goggles, protective gloves, mask, and work clothing must be worn. In case of contact with skin and eyes, wash immediately with plenty of soap and water. If swallowed, seek medical help immediately. Food and drink materials should not be brought into the application area. Keep out of reach of children.

STORAGE AND SHELF LIFE:

It should be stored in a dry and cool environment, in its unopened original packaging, protected from frost. Shelf life is 12 months from the date of production under appropriate storage conditions. Opened packages must be tightly closed.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

PACKAGING TYPE:

5 Kg bucket
12 Kg bucket
15 Kg bucket



DEFINITION:

It is an elastomeric acrylic resin/polymer based, UV resistant, single component, elastic waterproofing material.

APPLICATION AREAS:

- Water tanks, swimming and ornamental pools,
- On sloping terrace roofs,
- In wet areas such as bathrooms, toilets, balconies,
- On the exteriors of silos, warehouses and buildings,
- On reinforced concrete, galvanized sheet, polyurethane foam, zinc, PVC eaves and hidden gutter surfaces, used as an elastic waterproofing material.

FEATURES:

- Since its flexibility at low temperatures is high, it has a high resistance to long-term cracking.
- Resistance to hail impact (important for terraces).
- Very good adherence even on difficult surfaces.
- Very good protection against carbonation.
- Very good resistance to ponded water passage.
- Applied directly with a brush or roller.

SURFACE PREPARATION:

Care must be taken to ensure that the application surface is cured. The application surface must be cleared of substances that prevent adhesion such as dust, oil, tar, pitch, paint, silicone, curing agent, detergent and mold oils. The application surface must be saturated with water and kept moist during application. Steep corners should be beveled appropriately.

HOW TO APPLY:

Each coat should be applied with a brush or roller at a thickness of approximately 1–1.5 mm, with a minimum of two coats. It dries in approximately 4-5 hours depending on weather conditions. The next layer should not be applied before one layer is completely dry. It is recommended to use water insulation mesh or felt between two layers against water pressure or on navigable roofs. It gains mechanical strength after 5 days and becomes waterproof after 7 days. It reaches its final strength after 14 days.

Must be protected against punctures and impacts. Tools and equipment used during application should be cleaned with water.

PRECAUTIONS:

Storage areas are ventilated. During application, appropriate goggles, protective gloves, mask, and work clothing must be worn. In case of contact with skin and eyes, wash immediately with plenty of soap and water. If swallowed, seek medical help immediately. Food and drink materials should not be brought into the application area. Keep out of reach of children.

STORAGE AND SHELF LIFE:

It should be stored in a dry and cool environment, in its unopened original packaging, protected from frost. Shelf life is 12 months from the date of production under appropriate storage conditions. Opened packages must be tightly closed.

DÜZGÜNLER KİMYASAL YAPI ÜRÜNLERİ SAN. VE TİC. LTD. ŞTİ. shall not be held responsible for any issues arising from the product being used for purposes other than its intended use.

PACKAGING TYPE: 15 Kg bucket



acrylic-based single-component waterproofing material

15 KG Bucket

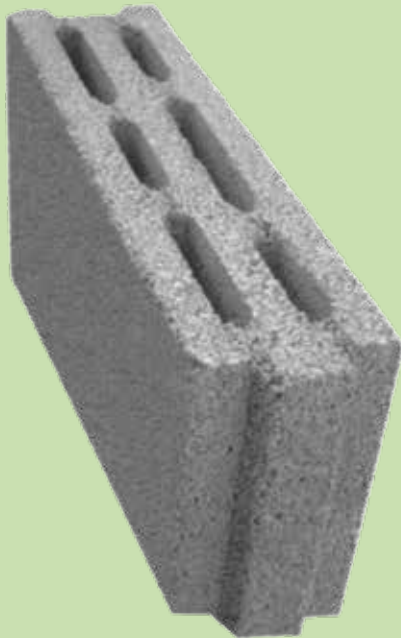


R37/38: Solunum sistemini tahriş eder. R41: Gözde ciddi hasar riski R43: Cilt ile temasında hassasiyet oluşturabilir. S2: Ürünleri çocukların ulaşabileceği yerlerden uzak tutunuz. S22: Tozlarını solumayın. S24/25: Göz ve cilt ile temasından sakının. S26: Göz ile temasında derhal bol su ile yıkayın ve doktora başvurunuz. S37/39: Uygun koruyucu eldiven, koruyucu gözlük/maske kullanın. S46: Yutulması halinde hemen bir doktora başvurun.

R37/38: Irritating to respiratory system. R41: Risk of serious damage to eyes. R43: May cause sensitization by skin contact. S2: Keep products out of reach of children. S22: Do not breathe dust. S24/25: Avoid contact with eyes and skin. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39: Wear suitable protective gloves, eye protection/mask. S46: If swallowed, seek medical advice immediately.

Görünüş	: Beyaz renkli akrilik kopolimer sıvı	Appearance	: White acrylic copolymer liquid
Sıvı Yoğunluk	: ~1,30 kg/lı	Liquid Density	: ~1.30 kg/lı
Uygulama Sıcaklığı	: +5 °C & +35 °C	Application Temperature	: +5 °C & +35 °C
Kopmada Uzama	: > %600 14 gün	Elongation at Break	: > 600% 14 days
Kapiler Su Emme ve Su Geçirgenliği	: w < 0,1 kg / (m2.h0,5)	Capillary Water Absorption and Water Permeability	: w < 0.1 kg / (m2.h0.5)
CO ₂ Geçirgenliği	: CO ₂ SD > 50 m	CO ₂ Permeability	: CO ₂ SD > 50 m
Su Buharı Geçirgenliği	: Sınıf I SD < 5	Water Vapor Permeability	: Class I SD < 5
Katlar Arası Bekleme Süresi	: 4 saat (35°C)	Waiting Time Between Coats	: 4 hours (35°C)
Kullanıma Alma Süresi	: 5 - 7 Gün	Time to Put into Use	: 5 - 7 days
Servis Sıcaklığı	: -20°C / +80°C	Service Temperature	: -20°C / +80°C





10 - B

Width	mm	100
Length	mm	385
Height	mm	185
Dimension Tolerance Class	-	D1
Compressive Strength (Characteristic)	n/mm ²	2.00
Compressive Strength (Characteristic)	kg/m ³	700.00
Net Dry Unit Volume Masses (Avg.)	kg/m ³	850.00
Thermal Behavior Property (Max)	w/mK	0.190
Sound Insulation Value	dB	38
Fire Resistance	-	A1
Water Vapor Tension (Max)	kg/m ² spa	9.00
Consumption per m ²	1m ²	13 pcs.
Half Product	Yes	Yes

13.5 - B

Width	mm	135
Length	mm	385
Height	mm	185
Dimension Tolerance Class	-	D1
Compressive Strength (Characteristic)	n/mm ²	1.90
Gross Dry Unit Volume Masses (Avg.)	kg/m ³	710.00
Net Dry Unit Volume Masses (Avg.)	kg/m ³	875.00
Thermal Behavior Property (Max)	w/mK	0.200
Sound Insulation Value	dB	40
Fire Resistance	-	A1
Water Vapor Tension (Max)	kg/m ² spa	9.00
Consumption per m ²	1m ²	13 pcs.
Half Product	Yes	Yes

15 - B

Width	mm	150
Length	mm	385
Height	mm	185
Dimension Tolerance Class	-	D1
Compressive Strength (Characteristic)	n/mm ²	1.85
Gross Dry Unit Volume Masses (Avg.)	kg/m ³	715
Net Dry Unit Volume Masses (Avg.)	kg/m ³	900.00
Thermal Behavior Property (Max)	w/mK	0.210
Sound Insulation Value	dB	42
Fire Resistance	-	A1
Water Vapor Tension (Max)	kg/m ² spa	9.00
Consumption per m ²	1m ²	13 pcs.
Half Product	Yes	Yes

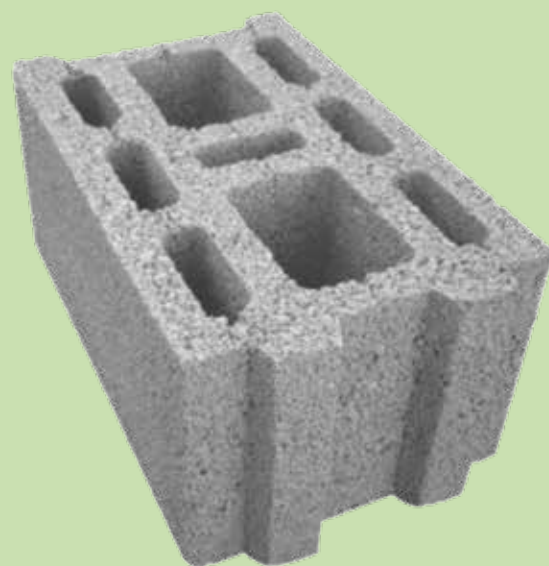
19 - B

Width	mm	190
Length	mm	385
Height	mm	185
Dimension Tolerance Class	-	D1
Dimension Tolerance Class	n/mm ²	1.80
Gross Dry Unit Volume Masses (Avg.)	kg/m ³	650.00
Net Dry Unit Volume Masses (Avg.)	kg/m ³	840.00
Thermal Behavior Property (Max)	w/mK	0.200
Sound Insulation Value	dB	46
Fire Resistance	-	A1
Water Vapor Tension (Max)	kg/m ² spa	9.00
Consumption per m ²	1m ²	13 pcs.
Half Product	Yes	Yes



25 - B

Width	mm	250
Length	mm	385
Height	mm	185
Dimension Tolerance Class	-	D1
Compressive Strength (Characteristic)	n/mm ²	-
Gross Dry Unit Volume Masses (Avg.)	kg/m ³	431.00
Net Dry Unit Volume Masses (Avg.)	kg/m ³	911.00
Thermal Behavior Property (Max)	w/mK	0.350
Sound Insulation Value	dB	44
Fire Resistance	-	A1
Water Vapor Tension (Max)	kg/m ² spa	9.40
Consumption per m ²	1m ²	13 pcs.
Half Product	Yes	Yes



DÜZ GÜN BİMS

"Evinizin Gücü"



DÜZGÜNLER

AKARYAKIT ve DOĞALGAZ İSTASYONU

