

GRADASEAL WP STANDART

Cement-Acrylic Based, Two Component,
Waterproofing Material for Negative-Positive
Applications

Product Technical Document

Issue: 12.10.2017

Revised: 08.03.2021

DESCRIPTION

Cement and acrylic based, two component, resistant to positive and negative water pressure waterproofing material with high crack bridging property.

Fields of Application

- Indoor and outdoor for horizontal and vertical applications,
- Groundwork isolation, retaining walls and basement isolation subject to slight vibrance,
- Elevator pits,
- Water tanks and swimming pools (under the coverage),
- Isolation of terrace roofs (under the coverage),
- Irrigation channels, manholes, concrete pipes,
- Wet areas such as bathroom, kitchen, balcony,
- Facilities such as spa and hamams,
- To protect concrete from water, carbonation and salts.

Features and Benefits

- Resistant to negative and positive water pressure.
- Elastic, does not shrink and crack.
- Provides highly performing water isolation.
- Forms a perfect isolation layer under ceramic and screed due to its flexibility and high bonding property.
- Highly resistant to carbon dioxide and chlorine ions.
- High water vapour permeability allows the concrete to breathe.
- Not affected temperature changing after curing.
- Provides seamless water isolation without joints.
- Can be used safely in drinking water tanks.

TECHNICAL CHARACTERISTICS

Content: Comp. A: Polymer modified special cement
Component B: Copolymer acrylic dispersion

Color : Grey, White

Adhesion Strength: $\geq 1,50$ N/mm² (28 days)

Resistance to Pressurized Water: 4 bar neg. / 7 bars positive

Capillary Water Absorption: $\leq 0,10$ g(after 4 hours)(TS EN 12808-5)

Maturity Period: 3-5 minutes

Application Temperature: +5°C to +30°C

Service Temperature: -20°C to +80°C

Application Tools: Brush / Trowel

For +23±2°C temperature and 50±5% relative humidity environment conditions.

Drying Time

Mechanical Strength: 2 days

Water Impermeability: 7 days

Final Strength: 14 days

HS Code :3824.99.70.00.00

For +23±2°C temperature and 50±5% relative humidity environment conditions.

Application Procedure

Preparation of Substrate

Application substrate must be dry, sound, mainly smooth, clean and fine pored. The application surface must be clear of materials which prevent bonding, such as oil, dust, paint, silicone, curing agents, detergents and paraffin wax. Weak parts of the concrete must be repaired, plasters that are not well adhered must be removed, the surface must be flat and sound, static cracks on the building must be repaired with a plaster containing GRADA LATEX or CONREPA 410. Holes that have water outflow must be filled with SHOCKSTOP JET. The surface must be saturated with water and must be kept moist during the application. Perpendicular corners should be beveled.

Application Method

Pour liquid Part B and 5-5,5 L water poured into mixing container and slowly added powder Part A. Continue mixing for at least 3-5 minutes until a homogenous and uniform mixture is obtained. Wait for 3-5 minutes and mix again for approximately 30 seconds and becomes ready to use. Prepared WP STANDART mixture is applied by brush or spray machine as two or three layers. Brush application direction in each layer must be perpendicular to each other. The surface must be protected from direct sunlight and prevented from drying quickly. It is recommended to use a mesh between the layers. Using mesh increases the reinforcing properties of the product.

Consumption

1,20 - 1,3 kg/m² is applied for each layer. Recommended at least 2 coats application. If needed high protection, 3 coats application can be applied. Maximum application wet thickness is 1,3 mm for each coats.

Package

27 kg set Component

A: 25 kg kraft bag Component

B: 2 kg plastic drum

GRADA YAPI KIMYASALLARI VE INSAAT MALZEMELERİ ÜRETİM SAN. TIC. A.Ş.

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WARNINGS

- *It should be used between +5°C and +35°C.
- *No foreign substance should be added within the mortar prepared.
- *Mortar, whose usage period ends, should not be re-used by water addition.
- *Application should never be made on the surfaces, which are under sunlight for a long time and frozen.

STORAGE AND SHELF-LIFE

Lifetime in unopened original packaging by protecting from sun and frost by 8 layers of Kraft bags stowing in cold and dry environment is 12 months.

SAFETY PRECAUTIONS

During application; working clothes, protective gloves, goggles and mask in accordance with Labor and Worker Safety should be used. Due to corrosive effects of cement materials, they should not come into contact with the skin and the eyes, in case of contact they should be washed with plenty of water and soap, in case of swallowing, medical advice should immediately be sought. Foods and beverages should not be brought to application areas. They should be stored in places out of reach of children. For detailed information, Material Safety Data Sheet should be seen.

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GRADA YAPI KIMYASALLARI VE INS. MALZ. PAZ. VE URT. SAN. TIC. A.S. Çınardere Mah. Akan Sok. No:13/3 Kat:2 Pendik / Istanbul TURKEY 19	
1020 – CPR – 040 060274 DOP NO:0010 EN 1504-2:2004	
GRADASEAL WP STANDART Two Components Cement and Acrylic Based Full Elasticity Water Sealing Material Coating Application 2.2/8.2	
Water Vapour Permeability	Class I sD < 5 m
Capillary Water Absorption and Water Permeability	w < 0,1 kg/m ² . h ⁰⁵
Bond Strength By Means of Rending Test	≥1 N/mm ²
Reaction To Fire	C s1 d0
Hazardous Substances	In Accordance With Article 5.4



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