



PROCRETE 800

PU CONCRETE INDUSTRIAL FLOOR COVERING

GENERAL INFORMATION:

PROCRETE 800 is an anti-static floor coating system applied in 4-6 mm thickness, with a smooth surface, excellent chemical and solvent resistance, obtained as a result of modification with polyurethane emulsion and cement-based special additives and chemicals, with the addition of special fillers to resins.

FEATURES

Anti-Static: DIN 51953, BS 2050 (explosive production areas) and BS 5998 complies with the standards.

- Heat Resistance: 3 mm coating does not lose its properties under continuous temperature of +60 °C. As the thickness increases, the heat resistance also increases.
- Odorless: It is a solvent-free and odorless coating according to Campden & Chorleywood Food Research Association tests.
- Impact Resistance: Thanks to its low modulus of elasticity, it has high mechanical properties and is also very durable under point impact. Under the same impact, it does not break or crack like other coatings.
- Absorbency: It has zero absorbency when tested according to CP.BM2/67/2.
- Moisture Tolerance: industrial floor coverings are suitable for application on damp floors and can be applied on 7 days old concrete or on water-saturated old concretes applied over a vapor barrier layer.
- Cleaning: Smooth matte surface provides ease of cleaning.

PRODUCT INFORMATION:

Component 1 Polyurethane Resin
2nd component Polyurethane hardener
Component 3 Special cementitious filler

PERFORMANCE:

(23°C, 50% RH)

Compressive Strength 55 MPa
Tensile Strength 9 N/mm²
Flexural Strength 18-21 MPa
In applications with curing between +15-+25 °C:
Pedestrian Traffic-16 hours
Light Traffic - 24 hours
All mechanical and chemical use - 48 hours



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These values have been obtained as a result of laboratory tests carried out in our company and are valid for the performance of the finished applications at the end of the full drying period. Since the temperature and humidity values in the construction site environment and the application surfaces and areas will vary, the values may change.

USAGE AREAS:

Under medium-heavy traffic and chemical loads, requiring long-lasting and durable coatings:
In the food, pharmaceutical and chemical industries,
In powder explosive production areas,
Solvent production and solvent production areas,
In laboratories,
In industrial facilities with explosion risk such as production areas,
It is used as a floor covering in packaging facilities.

APPLICATION INSTRUCTIONS:

Working and reaction times of resin-based systems are affected by ambient and ground temperature and relative humidity in the air. At low temperatures, the chemical reaction slows down, which extends the pot life, coating time and working time. At the same time, the consumption increases as the viscosity increases. High temperatures increase the chemical reaction and the times mentioned above are shortened accordingly. In order for the entire material to complete its cure, the ambient and ground temperature should not fall below the minimum allowable temperature. After the completion of the coating, the coating should be protected from direct water contact for at least 24 hours. If there is water contact, this will create carbonation and softening on the coating, which will cause the coating to lose its properties. In such a case, the entire coating should be removed from the floor and renewed. Produced in ready-to-use sets. During the application, solvent etc. should not be added to the mixture. PROCRETE coatings are designed for high chemical, thermal and mechanical resistance. The above-mentioned colors may turn yellow under UV, but this does not affect their performance. This effect is observed more in light colors. Mixing should be done with a 300-400 rpm mechanical mixer fitted with an epoxy/polyurethane mixing tip and special mortar mixing equipment. Used packages should be inserted into each other and adhered to, and reuse of packages should be prevented.

Application Equipment:

Hand Mixer

All PROCRETE practices are made by Expert Practitioners. Before the system is selected, the soil structure and quality should be examined by Expert Applicants.



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LIMITATIONS:

Please obey to the application instructions to obtain optimum quality. The application should be done between +10 °C and +30 °C. It should not be applied in hot, rainy and windy weather. It should not be applied on surfaces where there is a danger of frost. It should be protected from rain, water, frost and negative external factors during the application and for the first 24 hours after the application. PROCRETE 800 flooring systems should be applied by certified specialist applicators.

CONSUMPTION:

1-2 kg/m² as a primer
7-14 kg/m² as coating

PACKAGING:

A:3.125KG
B:3,875KG
A:18KG

SHELF LIFE:

It is 6 months from the date of production in its original packaging in a humidity-free and dry environment (temperature between +5 °C and +25 °C). The lid of the containers should be tightly closed when not in use. It should be kept away from moisture.

STORAGE CONDITIONS:

It should be stored in its unopened original package, in a moisture-free, dry and cool (temperature between +5 C and +25 C) environment. It should not be left under direct sunlight.

SECURITY:

Avoid contact with skin and eyes. Use protective gloves, goggles, mask and clothing. In case of eye contact, seek medical advice immediately. Keep out of reach of children. In case of skin contact, wash with plenty of water and soap. Do not swallow. For detailed information and recommendations, please refer to the Safety Data Sheet.

DEKOSTAR San.ve Tic.Ltd. Şti. is not responsible for any application errors that may occur if the product is used for purposes other than its intended use or if the above-mentioned application conditions and recommendations are not followed. Dekostar reserves the right to change its products. Users should consider the latest edition of the Technical Data Sheet of the relevant product