D-38



Two component construction epoxy putty - adhesive



PROPERTIES

Professional adhesive, without solvents in putty form. Available in gray color. The product features a breaking point that is greater than concrete. It has high adhesion properties. It is highly resistant to acids, alkalis, salts and salt (sea) water, while it does not shrink. Classified as a structural bonding product to concrete per EN 1504-4 and classified RG per EN 13888.

APPLICATIONS

D-38 is used to repair concrete defects and seal cracks that will be injected with the epoxy resin DUROSTICK D-33. It is suitable for bonding similar and dissimilar construction and industrial materials, such as metal, polyester, glass, stone, fiber-reinforced cement screeds etc. It is also suitable for anchoring expansion rebars and equipment as well as fastening metal formwork around concrete columns. The products are also suitable for spackling and sealing-restoring defects and damage of industrial floors.

USE

1. Surface preparation

All application surfaces must be free from loose materials, dust, oils and moisture.

2. Preparation for application

Empty the plastic tube containing the hardener B, into the container with the resin A. Mix thoroughly for 5 minutes using a thin, metal putty knife, until the product is smooth and of solid gray color. It is important to thoroughly scrape the bottom and the side walls of the container during the mixing process, to evenly distribute the hardener into the entire resin mass.

3. Application

Apply the mixture using a putty knife or gauging trowel. Remove the excess product using DU-ROSTICK THINNER 201, immediately after use. When applying over cracks, allow for 24 hours to pass before injecting DUROSTICK D-33 resin into the crack cavity.

NOTES

 Epoxy systems are sensitive to ambient temperature and humidity, until their final cure.
Pot life is reduced with increased ambient

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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temperatures. Dull or discolored spots appear on the surface and curing time increases at high humidity conditions.

- After mixing the two components, the mixture temperature increases.
- After hardening, the product is harmless to health and the environment.

CLEANING

Clean all tools with THINNER 201 of DU-ROSTICK, immediately after use.

CONSUMPTION

1.8kg/m²/mm thick coat

STORAGE

Store in dry and shaded places, in the original and factory sealed container, for at least 12 months from production date.

SAFETY DIRECTIONS

The product is classified as irritant and corrosive. It is recommend-ed to keep away from the reach of children. Before use, refer to the cautions on the product packaging or the Material Safety Data Sheet.

PACKAGING

Carton box with 12pcs of 1kg each one (A: 880gr, B: 120gr in a tube within the container)

TECHNICAL SPECIFICATIONS		
	Α	В
Chemical base	Thixotropic paste	Viscous liquid
Color	Gray	Off yellow
Color A+B	Gray	
Component den- sity	1.65±0.05 kg/lt	1.00±0.05 kg/lt
Mixing ratio A/B	7/1 w/w	
Pot life	60 minutes at 25°C	
Application tem- perature	From +8°C to +30°C	
Temperature resistance	From -25°C to +110°C	
Final strengths	After 7 days	

MECHANICAL STRENGTHS

Strength, per EN 196-1, to:

• Flexion 32.50 N/mm²

Resistance, per EN 12190, to:

• Compression 60.00 N/mm²

Shear strength, per EN 12615 8.30 N/mm²

Modulus of elas-

ticity, per EN 5300 N/mm²

12615



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12

DoP No.: 039 EN 1504 - 4

D-38

Structural bonding product for bonded mortar or concrete for uses with low performance requirements in buildings and civil engineering works

Adhesion: Fracture to concrete Shear strength: \geq 6 N/mm² Compressive strength: ≥ 30 N/mm² Shrinkage: $\leq 0.1\%$ 60 minutes at $25\,^{\circ}\text{C}$ Workability: Sensitive to water: Pass Modulus of elasticity: ≥ 2000 N/mm² Coefficient of thermal expansion: ≤ 100 X 10⁻⁶ per K Glass transition temperature: ≥ 40°C Reaction to fire: Euroclass E Durability: Pass Dangerous substances: comply with 5.4

DUROSTICK S.A.

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