

ROCK SET PF

EPOXY RESIN PORE SEALING AND SMOOTHING PUTTY

DESCRIPTION

Rock Set PF is a solvent-free, thixotropic, two components, adhesive and fine pore sealing and smoothing repair Putty, based on a combination of epoxy resins and specially selected high strength fillers.

USES

Rock Set PF can be used as follows:

- Adhesive levelling and smoothing putty for concrete, stone, ceramics, mortar, renderings, steel, iron, aluminum, wood, woodchip boards, polyester, epoxy and glass.
- Concrete minor repairs.
- As structural adhesive for precast concrete segments, columns, curb-stones etc.
- Crack and surface sealing.
- Fixing Tiles
- Filling Tile Joints

CHARACTERISTICS / ADVANTAGES

Rock Set PF is an extremely versatile product that offers

many advantages to the user:

- Easy to apply.
- Suitable for both, dry and damp surfaces.
- Non-sag product, even at high temperatures.
- Hardens without shrinkage.
- Excellent mechanical strengths.
- High early strength.
- High abrasion and impact resistance.
- Solvent free.

APPROVALS / STANDARDS

Rock Set PF has been tested as per SCAQMD Method 304-91.

Result: VOC Content < 10 g/L

PRODUCT INFORMATION

Packaging 1 Kg, 5 Kg and 10 kg units (A+B)

Colour Grey (Comp. (A): white, Comp. (B): black).

Shelf Life 24 months from date of production if stored properly in original unopened packing.

Storage Conditions Store in shade, under normal weather temperature and in dry conditions.

Density Density (at 25°C)

Comp. (A) = 1.7 ± 0.05 kg/l.

Comp. (B) = 1.7 ± 0.05 kg/l.

TECHNICAL INFORMATION

Shore D Hardness 70-80 (ASTM D-2240)

Full Hardness

(at 25 °C) 7 days

Modulus of Elasticity in Shear 4'300 N/mm² (Static)

Coefficient of Thermal Expansion 50 x 10⁻⁶ per C (temp. range: -20°C to +40°C).

SYSTEM INFORMATION

System Structure Solid Content 100%

APPLICATION INFORMATION

Mixing Ratio Comp. (A) : Comp. (B) = 2 : 1 by weight and volume.

Pot Life (at 25 °C) 45 min.

Open Time 45 – 60 min.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surface preparation

All surfaces must be clean, free from frost, standing water and all loosely adhering particles. Cement laitance must be removed. Concrete must be at least 3 - 6 weeks old, depending on climate, wire-brush, sand-or water-blasted or grind substrates.

MIXING

Mix components (A+B) together for at least 2 minutes

with a mixing paddle attached to a slow speed electric

drill (max. 600 R.P.M.) until the material becomes smooth in consistency and even grey colour of the mixture is obtained. Material in industrial packing must be stirred well before proportioning and mixing.

Avoid aeration while mixing.

APPLICATION METHOD / TOOLS

1. Apply Rock Set PF with trowel or spatula to the surfaces.

2. On damp surfaces, ensure that the material is well rubbed in.

3. Max. Layer thickness: 3 mm.

CLEANING OF TOOLS

- Clean all tools and equipment immediately after use with Cleaner.

LIMITATIONS

When working at a higher temperature than recommended, the pot life will be shortened. Similarly, when working at lower temperatures, the material will become more difficult to apply and takes longer to harden.

When applying to damp concrete, work well into substrates.

When the working temperature will be above 45°C, please consult our Technical Service.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

Ecology

In paste state components (A+B) contaminate water.

Do not dispose of into water or soil but according to local regulations.

Transport

- Comp. A: Non-hazardous.
- Comp. B: All types: 8/65 C.

Safety precautions

Product may cause skin irritations. Wear gloves and goggles. If the material is accidentally splashed into the eyes, flush immediately with plenty of warm water and seek medical attention without delay.

Toxicity

Class 4, under the relevant health and safety codes.

Observe warnings on packing.



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CONSTRUCTION