

RC 854

2-COMPONENT EPOXY-BASED MICROMORTAR FILLER

Concrete repair | Floor systems



ADVANTAGES OF RC 854

- ✓ Fast and non-shrink curing
- ✓ Excellent adhesion to concrete
- ✓ High mechanical resistance
- ✓ Resistant to impact and abrasion
- ✓ Thixotropic, non-sagging
- ✓ Vertical and overhead applications

Description

RC 854 is a thixotropic, 2-component repair mortar, based on a combination of epoxy resins with refined quartz fillers for levelling cracks and pits and finishing of concrete, mortar or stone surfaces. RC 854 has a very strong adhesion to most surfaces.

Application area

- Repair filler for concrete, cement mortar and stone;
- Filling holes and damaged corners, edges and joint sides in concrete;
- Rigid interpretation of broad, non-moving joints;
- Filling and sealing of cracks (no movement);
- Excellent for manufacturing skirting, coving or sanitary baseboards for floor/wall connections.

Substrate

The substrate must be completely clean and structurally sound. Remove grease, oil, dust, loose particles and other impurities that can affect adhesion.

The substrate must be of sufficient compressive strength (minimum 25 N/mm²), with a minimum bond strength of 1,5 N/mm².

Concrete must be at least 4 weeks old.

Application instructions

Mix the A-component before adding the B-component. Mix the A- and B-component thoroughly with a mixing paddle in a slow speed electric drill (max 400 rpm) until a smooth homogeneous material is obtained.

The processing time of RC 854 is approximately 15 minutes at a temperature of 20°C after combining the 2 components. Process the mixture in one go as soon as possible after mixing, because if the reaction between the components is too advanced, this will have a negative effect on the adhesion of the product. The application of the product can be done with a putty knife or spatula.

Substrate temperature	Minimum +10°C	Maximum +30°C
Ambient temperature	Minimum +10°C	Maximum +30°C
Material temperature	Minimum +10°C	Maximum +30°C
Dewpoint	Beware of condensation!	

The ambient temperature during application must be at least 3 °C higher than the dew point.

Consumption

2 kg/m²/mm layer thickness. The practical consumption depends on a number of factors, such as the shape of the object, the condition and profile of the surface, the method of application and weather conditions.

Technical characteristics

Color:	Gray-brown
Appearance:	Paste
Density:	± 1,8 g/cm ³ (mixed product)
Temperature resistance:	Up to 60°C
Compressive strength:	77 N/mm ² (MPa) (NBN EN12190)
Bending tensile strength:	~38,7 N/mm ² (NBN 12-208)
Tensile strength:	2,4 – 3,6 N/mm ²

Security

Consult the most recent safety data sheet.

Cleaning of equipment

With RC THINNER immediately after use.

Storage / Shelf life

12 months from date of production if stored properly in undamaged original sealed packaging, in dry at temperatures of between +5°C and +30°C.

Packaging

Set of 2,5 kg (item no. 70108).

LP 01-10-2021

Legal Notes

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