

EP-Rapid Scratchcoat

Fast curing 3-component epoxy hybrid scratchcoat

Application area

Only if a primer layer has been applied:

- Sanded tiles
- Screed
- (Polished) concrete
- Existing poured floor
- Existing broadcast floor
- Concrete with floor paint

Contact Sidec for application on other types of substrates



Properties

EP-Rapid Scratchcoat is a fast-curing, low-viscosity, non-pigmented, 3-component epoxy hybrid scratchcoat.

- Fast curing with sufficient processing time
- Optimal viscosity
- Broadly applicable

Technical data

Mixing ratio	100 A/62 B/150 C
Pot-life A + B + C	5-7 min*
Processing time once on the floor	10 min*
Temperature range	15°C – 25°C
Optimal conditions	18°C - 22°C, 40% - 60% RH
Colour	Yellow
Viscosity A + B + C	+/- 13,000 mPas (Anton Paar MCR 92 Shear Rate 100 1/s, 20°C)
Solid content	100 vol.% (= 100 wt.%)
Density A + B + C	+/- 1.51 g/ml (20°C)
Adhesion strength on concrete	Greater than the tensile strength of concrete (greater than 3 MPa)
Consumption	+/- 1.77 kg/m ² layer thickness

* At a temperature of 22°C, 55% RH

Drying time vs. floor temperature

Pay extra attention to the dew point at lower floor temperatures. as drying times will be significantly longer.

Floor temperature (°C) at 55% RH	Drying time
15	3h
20	2h
25	1h30

Preparation and substrate check

It is important to inspect the substrate before EP-Rapid Scratchcoat is applied. The surface must be primed and free of defects. If bubbles have formed in the primer layer, they must be removed and sealed with an MS Polymer-based sealant.

If the primer layer has sunk into the substrate, a second primer layer must be applied before applying EP-Rapid Scratchcoat.

The surface must always be free of dust and moisture, and there must be no protrusions from the floor. Lightly sand and vacuum the floor if necessary. A vacuum cleaner is sufficient if EP-Rapid Primer has been used beforehand. Use a moisture meter to measure the floor's moisture content. The moisture content in the substrate must be $\leq 5\%$.

Expansion joints in the substrate must also be followed when applying EP-Rapid Scratchcoat. Before EP-Rapid Scratchcoat can be applied, profiles must be installed. These profiles are also used to prevent EP-Rapid Scratchcoat from running away. Grooves can be used for this if necessary.

Grind out the drains along the side (1-3 cm) in advance so the scrape layer can run in here. Always tape off before applying EP-Rapid Scratchcoat, and remove the tape immediately after application. Do the same with walls and windows.

Conditions during application

Recommended floor and ambient temperatures are between 15°C and 25°C with an ideal installation temperature of 18°C to 22°C. Measure the temperature of the floor and find the coldest point. Measure the dew point at this location. The floor temperature must be at least 3°C above the dew point. The ideal humidity is 40% to 60%.

If the floor and ambient temperature is less than 15°C, it must be pre-warmed before the application of EP-Rapid Scratchcoat. This will help avoid adhesion problems with the next layer.

Processing

- Weigh sufficient amounts of C component in advance.
- Use an amount of EP-Rapid Scratchcoat that can be processed within 10 minutes.
- Stir the A-component before weighing.
- Weigh the B component according to the mixing ratio and pour it into the A component. Mix for 1 minute in the tin.
- Pour the mixture into a mixing bucket and then add the C component in the correct proportion while stirring.
- Mix for 2 minutes until you achieve a homogeneous result and all chunks of the C component have disappeared.
- Then pour the mixture as quickly as possible into several small puddles or in a long straight path across the floor.
- Spread the mixture to a thickness of 1-1.5 mm with a toothed comb.

Points of attention

- All cracks and openings must be sealed before applying EP-Rapid Scratchcoat. This is to prevent pests ending up in the scrape layer. If necessary, use an insect spray beforehand.
- Always work wet against wet to avoid imperfections. The

connection must be made after 15 minutes at the latest. Take this into account if you have to finish several rooms at once.

- Take surplus scratch coat outside after use immediately. Temperatures in the pot can get very high and smoke may develop.
- Always use masking tape in places where necessary when applying EP-Rapid Scratchcoat. Remove immediately after applying EP-Rapid Scratchcoat.

Packaging

EP-Rapid Scratchcoat	Sets of 10 kg	Metal can
Max Level Filler	25 kg	Bag

Cleaning

Clean any used tools with Cleaner EP or acetone. Cured product residues must be removed mechanically.

Storage and preservation

Shelf life: 12 months in closed and original packaging when stored in a cool and dry place (10-25°C).

Safety measures

Read the safety sheets carefully before using EP-Rapid Scratchcoat. Always wear personal protective equipment according to the applicable local guidelines and legislation. Gloves and safety glasses are mandatory.

Technical support

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The latest version of this technical data sheet is available on our website.

