

Technical sheet

PA-Rapid Sealcoat

A non-yellowing 2-component polyaspartic top coat for broadcast flooring systems

Application area

To be applied on a cured broadcast floor, preferably using coloured granulates of 0.4/0.8 mm.

Contact Sidec for application on other types of substrates.



Properties

PA-Rapid Sealcoat is a non-yellowing 2-component polyaspartic top coat applied on broadcast floors.

- Very fast curing
- Good chemical resistance
- Easy to process
- High UV resistance
- High wear resistance
- Mild odour during application
- Easy to clean
- High gloss level

Technical data

Mixing ratio	100 A / 100 B
Pot-life A + B	+/- 15 min*
Processing time A + B	10 min*
Temperature range	0°C - 25°C
Optimal conditions	18°C - 22°C, 40% - 60% RH
Colour	Light yellow
Physical appearance	Transparent liquid
Viscosity A + B	+/- 575 mPas (Anton Paar MCR 92 Shear Rate 100 1/s, 20°C)
Solid content	100 vol.% (= 100 wt.%)
Density A + B	+/- 1.06 g/ml (20°C)
Mechanically loadable	10 h*
Chemically loadable	10 h*
Consumption floor	360 g/m ²
Consumption skirtings	60 - 120 gr/linear m

* At a temperature of 22°C, 55% RH

Drying time vs. floor and wall temperature

Floor and wall temperature (°C) at 55% RH	Drying time
10	4h
15	3h
20	2h
25	1h30

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

Preparation and substrate check

The top coat can only be applied on a freshly placed broadcast floor with granulate sizes of 0.4/0.8 mm or 0.8/1.2 mm. The substrate must be grease-free, dust-free and dry. All substances that could reduce the adhesion of the top coat must be avoided.

Before applying PA-Rapid Sealcoat, verify that the broadcast floor is dry and fully cured. If the broadcast floor is completely dry, the excess broadcast gravel must first be completely removed. Brush this away and then use a vacuum cleaner to remove the last loose broadcast gravel from the floor.

Conditions during application

Measure the humidity and temperature in the room. The humidity should not exceed 80% RH. The ideal conditions are a floor and ambient temperature of 18-22°C and humidity between 40% and 60% RH. Values above or below these ideal conditions affect the drying time. Higher humidity and/or temperature accelerate curing but also shorten processing time. Lower humidity and/or temperature slow down curing but extend processing time. Keep this in mind during application.

Processing

- Before starting the application of PA-Rapid Sealcoat, tape off edges, skirtings and drain holes.
- If not using a full set, it is important to mix the A-component at low speed before weighing. Do this with a spiral mixer and mix as little air into the mixture as possible.
- Combine the A and B components and mix them for one minute at low speed until a homogeneous mixture is achieved. Ensure as little air as possible is mixed into the mixture.
- Pour part of the mixture into a separate bucket and use this part to seal any skirtings, the strip in front of the skirtings or wall, and the spaces around drain holes.
- Then pour a workable amount of the mixture in a line over the floor.
- Spread PA-Rapid Sealcoat with a squeegee.
- Remove the masking tape and then cross-roll with an epoxy roller without applying pressure on the roller. Wear spiked shoes for this.
- While one person is cross-rolling, another person can spread the rest of the set over the floor.

Points of attention

- When applying PA-Rapid Sealcoat, it is important to always consider the processing time. After 15 minutes, processing becomes more difficult, and roller marks may form. Depending on the number of applicators, you may choose to make a small amount instead of the full set.
- Once the entire floor has been cross-rolled, do not walk over the floor anymore. Work towards a door and cordon off the area so no one accidentally steps on the floor.
- There should never be more than 15 minutes between connections.
- If the tin with the B-component is not fully used, you can close the lid and hold the tin upside down for 15 seconds. This ensures the B-component can be used again without loss of properties.

Packaging

PA-Rapid Sealcoat	Sets of 18 kg	Metal can
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Cleaning

Clean the used tools with Cleaner EP, isopropanol 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 PA-Rapid Sealcoat. 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.

