REACTIVE RESINS

GENERAL TECHNICAL INFORMATION AND SAFETY INSTRUCTIONS

Mixing

The resin (A) and curing agent (B) components are supplied in the correct mixing ratio and should be stored at approx. + 20 °C. The temperature of the material should be approx. + 20 °C during the mixing process in order to achieve the optimum application viscosity. Pour the curing agent (B) into the resin component (A) and make sure that all of the curing agent flows in. In the case of **combined containers** (curing agent container (B) is sitting above resin container (A)), pierce the lid and the bottom of the curing agent container sitting on top 2 - 3 times with a large screwdriver or similar implement. Allow the curing agent (B) to run completely into the resin component (A), then remove the empty curing agent container.
Then mix the entire mixture with a mechanical agitator at a maximum of 300 rpm (slow-running drill with stirring paddle) and mix very thoroughly! It is essential to also stir thoroughly along the bottom and sides so that the curing agent is also distributed vertically. Stir until the mixture is homogeneous (free of streaks); **mixing time approx. 3 minutes**.
For products AC113, AC160, AC192 and AC194, follow the additional mixing and application instructions provided in the technical data sheets.

- **The mixed material must be immediately transferred to a clean container and used without delay!**
- **The mixed material must be used within the time specified on the technical data sheet!**
- **After mixing, pour into two empty containers of 10 kg or more (A+B) and apply together with another person!**

Application instructions:

When applying reactive polymers, the temperature of the surface is crucial, in addition to the ambient temperature. Chemical reactions generally slow down at low temperatures; this also extends the application, recoatability, walkability and curing times. At the same time, the higher viscosity leads to an increase in consumption.
At high temperatures, the chemical reactions are accelerated, meaning that the above-mentioned times are shortened accordingly.
For the reactive polymer to cure completely, the average temperature of the surface you are applying it to must be above the minimum temperature. When applied outdoors, ensure that the material is protected from moisture for a sufficient period of time after application (approx. 6 hours at 20 °C). If the surface is exposed to moisture too early, this may result in a white discolouration and/or tackiness that can significantly impair the bond to the subsequent layer and may therefore have to be removed, e.g. by shot blasting or sand blasting. The material under this layer will cure perfectly.
Do not apply AC reactive resins at temperatures below 10 °C or above 30 °C! Only load AC reactive resins after 48 hours at 20°C!

Recommendation:

Apply the mixed material in a criss-cross pattern with a high-pile (18-20 mm) roller (25 cm wide). Use brushes and small rollers for difficult areas (corners, etc.).

Substrate condition:

Cementitious surfaces must be solid, dry, fine-grained and able to bear weight, free of cement slime layers, loose and crumbly parts as well as substances that have a separating effect, such as oil, grease, rubber marks, paint residues and the like. In general, it is necessary to pre-treat the surface, e.g. high-pressure water blasting always in combination with AC special cleaner AC 600 or shot blasting or sand blasting.
After pretreating the surface, the tear strength of the surface must be at least 1.5 N/mm². The moisture content of the concrete at the surface must not exceed 4%. The surface to be coated must be protected against rising moisture.
The DBV Code of Practice "The use of Reactive Resins in Concrete Construction, Part 2: Substrates" also applies.

Maintenance/care:

Re-seal any mechanical damage (scratches etc.) to prevent acid and moisture from getting behind the coating!

Safety instructions:

Read and follow the warnings on the container and on the safety data sheet before use! The following safety instructions must be observed when processing and applying the product:

- Avoid contact with the skin by wearing protective gloves and suitable protective clothing!
- Avoid spray application!
- Avoid contact with the eyes!
- After applying, clean your hands and forearms and rub in skin care products (moisturising creams).
- Immediately remove splashes from the skin with a soap solution and plenty of water!
- Work with fresh air supply!

The components must not enter the sewerage system, water bodies or soil in the uncured state. Spilled material must be immediately absorbed, e.g. with sawdust.
The containers must be handled in accordance with the current Waste and Disposal Act.

The publication of this leaflet renders all previous leaflets invalid.

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