

Technical Datasheet

ACCELERATOR-5000

Set accelerator for ISOFLEX-PU 500

Description

ACCELERATOR-5000 is a special set accelerator for ISOFLEX-PU 500 that enables its application at low temperatures or in thicker layers. It also increases the thixotropy and mechanical strength of ISOFLEX-PU 500.

Fields of application

It is added to ISOFLEX-PU 500 to accelerate its setting. It offers the following advantages:

- It enables the application of ISOFLEX-PU 500 at low temperatures.
- It prevents the appearance of air bubbles when ISOFLEX-PU 500 is applied in thick layers.
- It allows ISOFLEX-PU 500 to set under low humidity conditions.

Technical data

Color: transparent - yellowish

Density: 1.0 kg/l

Directions for use

ACCELERATOR-5000 should be shaken before is opened and added to ISOFLEX-PU 500. They are then mixed and stirred with a low-speed mixer (300 rpm.), so that the mixture becomes homogeneous. Excessive stirring should be avoided, in order to prevent air entrapment.

ISOFLEX-PU 500 should be applied immediately after the addition of ACCELERATOR-5000 as the mixture's pot life is approx. 15 minutes.

Application at temperatures between -10°C and +8°C

Before application, the containers of ISOFLEX-PU 500 and ACCELERATOR-5000 must be stored in a heated space (at temperatures > +18°C) for at least 24 hours. At low temperatures, thick application layers should be avoided, while it is also essential to add SM-28 special solvent (approx. 5% by weight).

Application at temperatures between +8°C and +30°C

After mixing ISOFLEX-PU 500 with ACCELERATOR-5000, it is optional to add SM-28 special solvent (2-5% by weight), as the accelerator increases the viscosity of ISOFLEX-PU 500.

Application at temperatures > +30°C

The use of the accelerator at temperatures higher than 30°C should be avoided, as the pot life of ISOFLEX-PU 500 will be extremely short.

Consumption

6% by weight of ISOFLEX-PU 500:

- 1.5 kg ACCELERATOR-5000 per 25 kg ISOFLEX-PU 500.
- 360 g ACCELERATOR-5000 per 6 kg ISOFLEX-PU 500.
- 60 g ACCELERATOR-5000 per 1 kg ISOFLEX-PU 500.

Packaging

1 kg containers.

Shelf life – Storage

12 months from production date if stored in original, unopened packaging, at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

Remarks

- The mixture's pot life, after the addition of the accelerator, depends on the temperature and humidity conditions on site.
- Containers of ACCELERATOR-5000 that have been opened may be used again even if the original yellowish color of the material has turned brown. If in doubt, please contact the company's Technical Support Department.
- Although the addition of ACCELERATOR-5000 allows the application of ISOFLEX-PU 500 in thicker layers, in case of using more than 1kg/m²/coat, it is recommended to treat the surface with a special spiked roller, in order to help entrapped air escape.