

Stobielast® S 031.00



General Product Information

Stobielast® S 031.00 is a moisture curing, self-crosslinking, solvent free polyurethane binder for the installation of elastic layers, elastic sub-bases and top layers of playgrounds and safety surfaces.

Due to the balanced curing profile, the binder can be used in most climatic regions and under a wide range of weather conditions. The binder is well suited for manual installation. The suitability for paver application will depend on individual working procedures, including the length of the paver run, paver speed etc.

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Typical properties at 20°C

Density [g/cm³] DIN 53217	1.05 g/cm ³
Viscosity [mPa·s] DIN 53018/1+2	4000 mPa·s

Working conditions

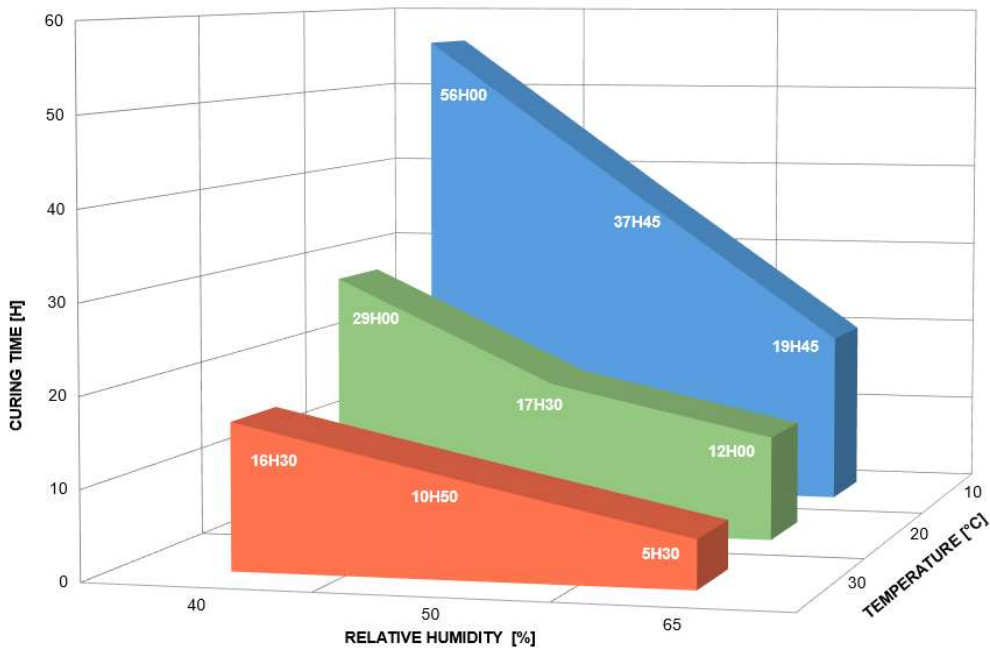
Object and working temperature	5 – 40 °C
Relative humidity	40 – 90 %

In dry conditions (relative humidity < 50%) the freshly laid surfaces can be carefully sprayed with water to prevent long curing times. The spraying with water can be repeated as often as necessary.

Curing profile

Curing takes place at ambient temperature by reaction with steam or atmospheric moisture. Higher temperatures and moisture will shorten the cure time. The surface can be walked on after 24 hours at 20°C. Full curing is achieved after 3 - 5 days. The temperature should not fall below 5°C during curing.

The curing profiles at different conditions are shown below:



Application

The viscosity of the binder is considerably lower at higher temperatures during the summer time. Furthermore, the film is *not UV-light resistant* and it can cause discolorations of the rubber granules. Mechanical properties are not affected by this yellowing behaviour.

Precaution

The material safety data sheet should be read very carefully before use.

Packaging

220 kg net drums or 1100 kg net IBC. Other sizes on request.

Storage

The binder component must be protected against humidity and stored above 5°C. The ideal storage temperature is 15-25°C.

Shelf life

At 15-25°C, the material can be stored for at least 12 months, in the original unopened drums. Opened drums should be used up quickly.

Edition: 10/2022

All provided informations concerning our products, including but not limited to, any recommendations and advice relating to the application and use of our products, is given in good faith based on our current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with our instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of our control are such that we assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of our product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s).