



PC 31-300

is a UV and colour-stable, transparent, low emission, one-component PU binder for colour quartz mortars. It has a glossy finish. This product shows good chemical resistance against diluted acids and alkalis, salt and waste water and lubricant and oils.

Density	@ 20 °C	1.1 g/cm ³
Viscosity	@ 20 °C	1000 ± 200 mPas
VOC-content		< 500 g/l
Solids content		> 99 %
Colour		Transparent, glossy
Processing Time		approx. 60 minutes
Cure Time	@ 20 °C	12 to 18 hours Full mechanical strength: after 3 days Full chemical strength: after 7 days
Processing temperature		8 – 40 °C
Humidity		30 – max. 80 %
Processing temperature		8 – 40 °C
Tensile strength	DIN EN ISO 2024	> 1,5 N/mm ²

Installation guidelines

The surface to be coated must be clean, dry and free of oil, grease, dirt and foreign residue.

Use PC 31-300 as supplied. It is applied to primed sanded surface. The material temperature should be 15 °C but not more than 25 °C. Mix the material with materials mono-grain sieve curve (as silica sand, quartz stones, etc). Smooth the surface with a trowel.

The mixing ratio of the binder to the filling material depends on the environmental conditions. We recommend to use 5 – 8 % binder depending on the grain size and sieve curve.

The mixture should not be too wet, otherwise a concentration of the binder at the bottom may occur

and lead to foaming and reduced adhesion to the substrate.

Cure time

The cure time varies with temperature and humidity. High temperatures and high humidity will decrease cure time while low temperatures and low humidity will increase it.

Safety guidelines

Smoking and open light is strictly prohibited during the application process. Adequate ventilation or use of a respirator is required in enclosed spaces. Wear approved eye protection and gloves during application.

Should contact occur with eyes or skin, wash thoroughly with soap and water. If irritation persists, obtain medical attention.

Packaging

10 kg pail

Storage

Store PC 31-300 in a dry place (15 – 25°C). Shelf life of product stored in unopened original containers is 6 months. Protect contents against frost and moisture. After prolonged storage, examine the suitability of PC 31-300.

Close opened containers carefully, protect contents against moisture and use as soon as possible.