

PURION MEMBRANA

ELASTIC POLYURETHANE RESIN

USE

Two-component solvent-free polyurethane resin for sealing and crack-bridging in class A3.

SUBSTRATE

The mineral substrate should be of class min. C20/25, with a stripping strength of min. 1.5 MPa. The relative humidity of the substrate should not exceed 4% (by weight). The top layer must be free of cement laitance, dirt and old coatings. The best way to prepare the substrate is by shot blasting. Alternatively, the substrate can be milled or sanded to expose aggregates. The resin should not be applied to raw (unprimed) substrates.

ADVANTAGES

- low viscosity
- very good adhesion to the substrate
- very high flexibility
- crack-bridging capacity

METHODS OF APPLICATION

Toothed squeegee (to achieve adequate wear).

EFFICIENCY

Detailed layering and consumption in the chart "PURION. Parking systems."

EXECUTION OF WORKS

Before use, mix Component A, add the weighed amount of Component B, mix thoroughly for approx. 3-4 minutes using a slow speed mixer. Once the components have been mixed, the curing process has begun irreversibly, always prepare a portion that can be applied evenly within approx. 15-20 min. Polyurethane resins are very sensitive to moisture, both from the substrate and from the air. The relative humidity of the air should not exceed 75%. During the work, air humidity and floor temperature must be controlled so that there are no conditions for the formation of a dew point and condensation on the surface to be treated.

TECHNICAL PARAMETERS

	PARAMETER	VALUE	UNIT
1	Mixing ratio		
	Component A	100	by weight
	Component B	40	by weight
2	Density	1,05 to 1,20	[g/cm³]
3	Viscosity	800 to 1000	[mPa*s]
4	Shelf life at 20°C	20-30	[min]
5	Curing time	24	[h]
6	Elongation to rupture	≥200	[%]

COLORS AVAILABLE

White

TOOLS CLEANING

Clean tools and possible contamination freshly with acetone or other polyurethane solvent. If cured, the resin can only be removed mechanically.

CLEANING AND MAINTENANCE OF A RESIN FLOOR

- **Si-Clean** – preparation for daily cleaning and care
- **Si-Wax** – self-gloss polymer paste
- **Si-Active Resin Clean** – alkaline cleaner for basic cleaning and removal of heavy soiling

STORAGE

Store resin and hardener in closed factory containers. Do not allow to freeze. Do not heat above +25°C.

CONTAINERS

Plastic containers (Component A and B).

HEALTH AND SAFETY REQUIREMENTS

Some components of flooring compounds in their uncured state are harmful to health. They can cause allergies in particularly sensitive people. Special precautions must be taken when carrying out the work. The rooms where the floors are prepared and applied must be well ventilated. Workers should wear: clothing, shoes, protective goggles and gloves. Detailed safety rules are given in the Safety Data Sheets of the ingredients. PURION polyurethane flooring compounds are physiologically inert for the human body after curing.

Note: The above information has been compiled to the best of our technical knowledge, but is not legally binding.

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