

PURION FINISH UV

UV-RESISTANT TRANSPARENT POLYURETHANE RESIN

USE

Two-component solvent-free polyurethane resin for making the final layer of stone carpets, for making transparent layers in all flooring systems, for use as a binder for stone carpet floors with aggregate fractions of e.g. 2-4 mm and 4-7 mm, and for use wherever UV resistance of the floor is required.

SUBSTRATE

Coloured quartz sands.

When applied to mineral substrates, these must be primed with a polyurethane primer.

ADVANTAGES

- very high UV resistance
- hard elasticity
- very good chemical and mechanical resistance
- solvent-free
- easy application
- very good substrate adhesion
- very good mechanical properties
- easy to clean

METHODS OF APPLICATION

Rubber squeegee, resin roller (velour, nylon) or brush.

EFFICIENCY

Sealing of coloured aggregate 0.2 - 0.8 mm: approx. 0.5 kg/m².

For smooth systems the consumption should be 0.6 - 2 kg/m² depending on the desired effect. The higher the consumption the smoother and more even (mirror-like) surface.

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 mixed, the curing process starts irreversibly - always prepare a portion that can be applied evenly within approx. 15-20 minutes. 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 should be controlled so that there are no conditions for dew point formation and condensation on the surface to be treated.

TECHNICAL PARAMETERS

	PARAMETER	VALUE	UNIT
1	Mixing ratio Component A Component B	100 63	by weight by weight
2	Chemical base	aliphatic polyurethane	-
3	Density	1,30 to 1,50	[g/cm ³]
4	Viscosity	800 to 1000	[mPa*s]
5	Shelf life at 20°C	20-30	[min]

6	Shore D hardness	~50	[unit]
7	Abrasion resistance	AR 1	[class]
8	Peel resistance	>1,5	[MPa]
9	Suitability for use +10°C +20°C +30°C	~40 ~30 ~20	[min] [min] [min]
10	Curing time (min-max waiting time before reapplication) +10°C +20°C +30°C	30-72 24-48 16-36	[h] [h] [h]
11	Load capacity* (pedestrian traffic/light load/full compaction) +10°C +20°C +30°C	24 h/72 h/9 d 12 h/2 d/5 d 8 h/24 h/72 h	-

**approximate times*

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 to 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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