

PURION COLOR

POLYURETAN COLORED RESIN - **PARKING** version

USE

Two-component solvent-free polyurethane resin for final coatings in car park systems.

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 resin should not be applied to raw (unprimed) substrates.

ADVANTAGES

- low viscosity
- hard-elasticity
- very good chemical and mechanical resistance
- solvent-free
- easy to apply
- very good substrate adhesion
- very good mechanical properties
- easy to clean
- high performance and economic
- crack-bridging capacity (see parking system card)
- available in RAL 7040

METHODS OF APPLICATION

Steel squeegee, rubber or toothed squeegee, resin roller (velour, nylon) or brush.

EFFICIENCY

For detailed layering and material consumption, please refer to the chart "PURION. Parking systems."

EXECUTION OF WORKS

Before use, mix Component A, add the weighed amount of Component B, mix thoroughly for about 3-4 minutes using a slow speed mixer. Once mixed, the curing process begins irreversibly - always prepare a batch that can be applied evenly in about 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 it is necessary to control the air humidity and the floor temperature to avoid the dew point and condensation conditions. and condensation on the surface.

TECHNICAL PARAMETERS

	PARAMETER	VALUE	UNIT
1	Mixing ratio Component A Component B	100 20	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	~60	[unit]
7	Abrasion resistance	AR 1	[class]
8	Crack-bridging capacity at -20°C	Klasa A2 lub A3 w zależności od składników systemu	[class]
9	Wytrzymałość na odrywanie	>1,5	[MPa]
10	Peel strength +10°C +20°C +30°C	~40 ~30 ~20	[min] [min] [min]
11	Curing time (min-max waiting time before reapplication) +10°C +20°C +30°C	30-72 24-48 16-36	[h] [h] [h]
12	Load capacity* (pedestrian traffic/light load/fully hardened) +10°C +20°C +30°C <i>*approximate times</i>	24 h/72 h/9 d 12 h/2 d/5 d 8 h/24 h/72 h	-

AVAILABLE COLORS

Standard colour: similar to RAL 7040. The entire RAL palette is available on request.

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.*

Hygienic Certificate No. B.BK.60111.0742.2022