

# PURION COLOR UV

**UV-RESISTANT COLORED POLYURETAN RESIN - PARKING version**

## USE

A two-component solvent-free polyurethane resin for the final coat of paint on the parking system on exposed car park floors and for use wherever UV resistance of the surface is required.

## SUBSTRATE

The resin is designed to be applied to a closed polyurethane parking system by painting.

## ADVANTAGES

- very high UV resistance
- 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 many colours

## METHODS OF APPLICATION

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

## EFFICIENCY

The average consumption is approx. 0.2 - 0.3 kg/m<sup>2</sup>.

## 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 33	by weight by weight
2	Chemical base	aliphatic polyurethane	-
3	Density	1,30 to 1,50	[g/cm <sup>3</sup> ]
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	Crack-bridging capacity at -20°C	Class A2 or A3 depending on system components	[class]
10	Peel strength	>1,5	[MPa]
11	Suitability for use +10°C +20°C +30°C	~40 ~30 ~20	[min] [min] [min]
12	Curing time (min-max waiting time before reapplication) +10°C +20°C +30°C	30-72 24-48 16-36	[h] [h] [h]
13	Load capacity* (pedestrian traffic/light load/full compaction) +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.

## 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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