

PUR-O-COAT SL

Properties:

PUR-O-COAT SL is a self leveling, solvent free, PU two-pack plastic elastic coating for industrial floor coating. To get better abrasion resistance and improved slip resistance, a top coat like *PUR-O-COAT T* should be applied.

PUR-O-COAT SL has the following properties.:

- impermeability to liquids and resistance to chemicals
- resistance to impact
- crack bridging
- easy cleaning and care (decontamination/ hygiene)

PUR-O-COAT SL is typically used for show-rooms, restaurants, offices, shopping areas, production facilities, industrial buildings, warehouses, commercial greenhouses, hospitals.

Following substrates are possible: concrete, stone, brick, rock, metal, wood (mdf, plywood, OSB...) and similar construction materials.

Technical Data:

Colour	:	Main RAL colours
Mixing Ratio	:	Main Component : Hardener = 4 : 1 (pbw)
Pot-Life	:	40 ± 5 min
Consumption	:	A self leveling coating with a thickness of 1 mm can be achieved by use of 1.38 kg/m ² of <i>PUR-O-COAT SL</i> Recommended thickness is 2 mm
Curing Time	:	Depending on relative humidity and temperature, 12 h
Density (25°C)	:	
Main component	:	1.47 ± 0.05 gr/cm ³
Mixture	:	1.38 ± 0.05 gr/cm ³
Viscosity (25°C)	:	
Main component	:	3.300 ± 500 mPas
Hardener	:	210 ± 30 mPas
Mixture	:	1.500 ± 300 mPas
Chemical Resistance	:	Resistant to diluted acid, water, fuel and mineral oils.
Heat Resistance	:	approx. 100°C
Hardness	:	Shore D: 55 ± 5 (D 2240-05)
Compressive Strength	:	12.4 N/mm ² (DIN 53 454)
Elongation	:	% 160 ± 20
Tear Resistance	:	9.82 ± 0.05
Tensile Strength	:	5.82 ± 0.5 N/mm ²
Contents	:	The Hardener consists of polymeric MDI, which has low vapor pressure enabling safe use of the product. The Resin consists of mixtures of polyether and polyester resin as well as pigments and fillers
Storage	:	Can be stored in original container, for 1 year under 35°C and protected from freezing
Packaging	:	Main component: 16 kg can - Hardener: 4 kg can
Cleaning	:	<i>PUR-O-SOLV</i> or <i>PUR-O-CLEAN</i>

Processing:

Technical hints

The mixed material must be used within the pot-life, otherwise irreversible gelation of the product occurs. All equipment must be cleaned immediately after use. Use of protective rubber gloves is recommended.

Pretreatment

The substrates to be applied must be free of loose particles, oil, grease and other impurities. Special attention should be paid to the moisture content of the substrate to ensure that there are no other adhesion problems or undesirable side-reactions. For successful results, concrete substrates should have a moisture content of <5% and application should be carried out at a substrate temperature equivalent to the prevailing dew point plus 3°C. The substrate must be primed with *PUR-O-COAT FAST PRIMER*.

In case of negative water pressure or moisture content higher than 5% or newly applied concrete, *HYDROPOX EPG* should be used. In case *PUR-O-COAT SL* is going to be applied in several layers, the re-coating window between layers should be within 6-24 hours. In places where the 24 hour period is exceeded, the surface should be roughened by sanding (sanding paper or scotch brite).

Application

PUR-O-COAT SL comes in two separate cans. The whole content of the smaller can, the "Hardener" is to be mixed well with the content of the larger can, with the "Main Component". The mixing of the two components can be done with the help of an electrical mixer, such as a stirrer attached to a power drill. Application of the material can be achieved by help of trowel. The applied surface must be protected from water for at least 6-8 hours.

Note:

Avoid skin contact with Hardener, all soiled equipment and such should be cleaned immediately. Do not induce vomiting, seek for medical advice. Use protective goggles and gloves.

Proper and as a result successful use of our products is beyond our control. For this reason we can only guarantee the quality of our products within the framework of our Terms and Conditions of Sale and Delivery, not, however, for their successful processing. All data and information in these instructions are based on the latest state-of-the-art technology, we expressly reserve the right to make modifications or adaptations to the development. The consumption data quoted by us can only be average experience values, deviations in individual cases are possible and can therefore not be excluded.
TPH 061108