

## DEMCO<sup>®</sup> PUR 420 UVM/S

### Description

DEMCO PUR 420 UVM/S, is a 2 component, solvent based,, Uv-resistant, transparent polyurethane mat varnish. It is used to protect the surfaces against UV light, rain and sea water.

### Working Conditions

The temperature in the operation area should be in the range of 15 °C - 30 °C.

### Mixing

Component B is poured into the can of component A during stirring, and they are mixed together for 3 minutes using a mixer till a homogenous mixture is obtained. It is recommended that the mixer speed is low not to cause air bubbles in the mixture.

### Advantages

- Non-yellowing.
- Perfect atmospheric corrosion and UV resistance.
- Perfect water and alkali resistance.
- Has excellent chemical resistance.
- Has elasticity and high impact resistance.
- Preserves the natural structure of wood, concrete, and stone.

### Surface Preparation and Application Method

The application surface has to be cleaned and made completely rust, oil, dust and contaminant free. Surface should not be humid. Loose parts on the surface must be removed. If application surface is sheet metal, after the coating surface should be sandblasted, it can be primed with appropriate primer. If application surface is wood, surface should be cleaned with abrasive paper or floor sander. After cleaning and drying, it can be primed with appropriate primer. If application surface is concrete, surface should be cleaned with shot blast or fraise. Solvent Free Epoxy Based Impregnation Primer DEMCO EPOX 100 PR is applied on a thoroughly cleaned surface. If necessary, surfaces can be leveled with epoxy paste after priming. After the appropriate primer application and if needed, after application of Terrazzo or other coatings, Solvent Based, UV-Resistant Polyurethane Mat Varnish DEMCO PUR 420 UVM/S is applied by airless, brush or roller.

### Consumption

100 – 150 g/m<sup>2</sup> should be used.

### Thinner

When needed, it can be thinned with Polyurethane Thinner PUR 1000 THINNER (max. % 3 – 5).

### Package

Total : 15 kg (A: 11,25 kg /B: 3,75 kg)

### Storage and Shelf Life

It should be kept in its original, unopened package and in closed and dry places, which are at 15 – 25°C. It must not stay under direct sunlight. Under these conditions, the shelf life is 6 months.

### Technical Properties

Number of Components	2
Mixing Ratio (by weight)	A/B (75/25)
Mixing Density (g/cm <sup>3</sup> , 20°C) (TS EN ISO 2811-1)	1,03 ± 0,05
Pot Life ( hours., 23°C, 100 ml ) ( DIN 16945 )	6 - 8
Mixing Viscosity (mPas, 25°C) (EN ISO 3219)	50 - 100
Curing Time ( 23°C ) ( TS 4317 )	
Dry to Touch (Hours)	5 - 7
Fully Cured (Week)	1

### Safety Measures

Avoid contact of the mixture or components with the skin and eyes, wash with plenty of water in case of contact and consult a doctor. Protective gloves, clothes and glasses should be used and should be kept away from children.

### Attention

Applied surface temperature must be between 15°C- 30°C and temperature must not be under 10°C.

When applying in indoor and outdoor areas, ground, ambient temperature and ambient humidity must be paid attention.

Ground relative humidity must be under % 4 and ambient humidity must be under % 80.

There must not be touching or water contact on the application area till 24 hours pass after the application.

Just enough quantities of the product must be mixed for the application. Application must not stop till the whole mixture is consumed.

DEMCO PUR 420 UVM/S ' s complete curing time 20°C – 25°C is approximately 7 days.

After priming, it must be paid attention to the dry to touch of primed surface. According to ambient temperature, DEMCO PUR 420 UVM/S can be applying about 24 hours later.

**LEGAL WARNING:** The above specifications are based on laboratory test results. It is recommended to consult Technical Service for special applications and the newly designed studies. Our company is not responsible for unsuitable conditions and studies which are not under our control.

### Approvals / Standards

CE It has been tested according to EN 1504-2 under the scope of the certificate.

