

DEMCO[®] EPOX 155 TOP COAT/DK

Description

DEMCO EPOX 155 TOP COAT /DK is a two component, epoxy based top coat paint. It can be applied on metal, wood, and concrete surfaces. Floors where food materials are manufactured, stored, and sold and where a smooth finish is desired; It is used for coating the floors of warehouses, stores, offices and especially for painting vertical surfaces, walls, stairways and bevels.

Working Conditions

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

Mixing

The component B is poured into the can of component A 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

It has exceptionally good chemical resistance and high mechanical strength.

It is easy to apply. It can be applied with a brush, roller or airless.

Provides a good water insulation.

It can be applied to horizontal and vertical surfaces.

Thanks to its thixotropic structure, it does not flow even at 400 g / m² on vertical surfaces.

Surface Preparation and Application Method

The application surfaces should be free from oil, rust, dust, and similar impurities. There should not be moisture on the application surface, there should be no loose layer left. The shiny surface should be roughened with shot-blast, slim or freeze. The prepared concrete surface should be primed with Solvent Free Epoxy Impregnated Primer DEMCO EPOX 100 PR in a way to be impregnated by considering the application instructions. Cracks and holes on the surface, if any, should be repaired using epoxy putty. Epoxy Top Coat Paint DEMCO EPOX 155 TOP COAT / DK is applied with brush, roller and airless on the prepared and primed surface.

ATTENTION!

It is designed for vertical floors due to its low spreading feature; It may create a slight orange peel effect in horizontal surface applications. It should be applied in a single coat with a consumption of 400 g / m² on vertical surfaces. If this amount is exceeded, it may flow.

Consumption

A dry film thickness of 220- 250 μ is obtained with a consumption of 0.350- 0.400 kg / m² in a single layer.

Thinner

Do not add any thinner.

Package

Total : 20 kg (A: 16,40 kg /B: 3,60 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 12 months.

Technical Properties

Number of Components	2
Mixing Ratio (by weight)	A/B (82/18)
Mixing Density (g/cm ³ , 20°C) (TS EN ISO 2811-1)	1,55 ± 0,10
Pot Life (min., 23°C, 100 ml) (DIN 16945)	50 - 80
Mixing Viscosity (mPas, 25°C) (EN ISO 3219)	1900 - 2500
Curing Time (23°C) (TS 4317)	
Dry to Touch (Hours)	5 - 7
Fully Cured (Week)	1

Mechanical Properties

Abrasion Resistance (Taber,CS17,1 kg 1000 cycle) (ASTM D 4060)	~ 25
Adhesion Strength (Pull-off) (N/mm ²) (TS EN 1542)	~ 80

Safety Measures

Product's skin contact must be avoided. In case of contact, skin must be washed with water. Eyes should be flushed with water and medical attention must be sought immediately. Wear suitable protective clothing, gloves and goggles. Keep 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 mustn't 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 EPOX 155 TOP COAT /DK ' s complete curing time 20°C – 25°C is approximately 7 days.

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

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

