

DEMCO® EPOX 195 PR/CONDUCTIVE

Description

DEMCO EPOX 195 PR/CONDUCTIVE is a solvent free, epoxy based, conductive primer. It is used as conductive primer under conductive self, top coat and coatings. It provides better adhesion for following layers.

Working Conditions

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

Mixing

Component A is mixed in its own can. Then component B is poured into the can of component A during stirring, and they are mixed 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

Solvent free.

Fills cavities and fractures in concrete structure thanks to its thixotropic property.

Surface Preparation and Application Method

The application surface has to be cleaned and made completely rust, oil, dust and contaminant free. Surface shouldn't be humid. Loose parts on the surface must be removed. Bright surfaces should be cleaned with shot blast or fraise. Epoxy Based Solvent Free 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 primer application, Solvent free, Epoxy Based Conductive Primer DEMCO EPOX 195 PR/CONDUCTIVE is applied by trowel. If necessary, roller is used. After 12 – 16 hours, epoxy based conductive self, top coat and coatings are applied on it.

ATTENTION! Epoxy conductive primer must completely close conductors.

Consumption

For a dry film thickness of 150- 200µ, 250- 300 g/m² should be used.

Thinner

Do not add any thinner.

Package

Total : 20 kg (A: 17,60 kg / B: 2,40 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 (88/12)
Mixing Density (g/cm ³ , 20°C) (TS EN ISO 2811-1)	1,40 ± 0,10
Pot Life (min., 23°C, 100 ml) (DIN 16945)	70 - 120
Mixing Viscosity (mPas, 25°C) (EN ISO 3219)	Thixotropic
Curing Time (23°C) (TS 4317)	
Dry to Touch (Hours)	8 - 10
Fully Cured (Week)	1
Electrical Conductivity (100 V) (DIN EN 61340-4-1)	1 – 10 Ω

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 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 EPOX 195 PR/CONDUCTIVE'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

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

