

# DISOVERN EP C700

Epoxy / zinc phosphate primer  
water dilutable

## Product Description

Two-pack anti-corrosion primer, with excellent adhesion properties, high filling strength, mechanical stability and chemical resistance. Thermal resistance up to 120 °C dry heat.

## Areas of Application

Wherever primers containing solvents have been used, for example steel constructions, vehicle and machine construction.

## Application

Conventional, airless and low pressure spraying, brushing and rolling.

Important for application and drying:

- Air temperature ideal 20 - 25 °C / min. 10 °C
- Humidity ideal 40 - 60 % / max. 80 %
- Object temperature above + 10 °C
- Air velocity 0.4 - 0.8 m/sec.

To obtain optimal surface and thorough drying, sufficient air circulation must be provided. To prevent condensation during application, surface temperature must be at least 3 °C above dew point.

Can be recoated with DISOVERN EP C700 after 6 hours at 20 °C, with top coats after 15 hours at the earliest at 20°C.

Application method	Thinning	Nozzle
Conventional and Low pressure spraying	with 5 - 10 % water for 60 - 80 sec. DIN 4	1.5 - 1.8 mm
Airless Spraying	with 5 - 10 % water for 60 - 80 sec. DIN 4	Narrow 215/218 Medium 415/418 Wide 615/618
Brushing and Rolling	No addition of water	

## Cleaning of Equipment

Remove remaining paint from equipment and rinse thoroughly with little water (use for dilution). Repeat if necessary and rinse with V120 cleaner or cleaning thinner.

## Special Note

Our instructions are based on a dry coat thickness of approx. 60 µm for primers and approx. 40 µm for top coats. Normal climate 23/50 DIN 50014.

All regulations regarding work hygiene and operational measures must be observed.

The information contained in this technical data sheet is based on general technical standards and is meant for specialists. Any changes in the recommended operating procedures or specified environmental conditions may influence the results significantly. Our guarantee covers only the quality of the material delivered. We do not undertake any responsibility for the application. In case of doubt, we recommend contacting our Technical Service. Our products are under constant development. Therefore please note date of issue of our technical data sheet and ask for latest edition.

## Technical Data

<b>Binder</b>	Water dilutable epoxy resin
<b>Pigmentation</b>	Zinc phosphate
<b>Finish</b>	Matt
<b>Colours</b>	White
<b>Substrate</b>	Steel, for higher demands blast cleaning according to ISO 8501-1 Sa 2 - 2 ½.  Remove abrasive residue and dust from surface. Recoat as soon as possible after blast cleaning to prevent corrosion.  The surface must be dry, free of grease and dust.
<b>Thinner</b>	Water
<b>Packaging</b>	Pigment: 5 / 10 kg disposable cont. Hardener: 1 kg disposable container
<b>Storage</b>	Pigment and hardener 6 months in original unopened containers stored at a temperature of 20 °C. <b>Protect from frost at all times!</b>
<b>Waste disposal</b>	Residues and expired material are considered as special refuse and must be treated as such.

<b>Components</b>	2
<b>Hardener</b>	H700
<b>Mixing ratio</b>	10 : 1 wt.- parts
<b>Potlife</b>	approx. 3 hours at 20°C  The end of potlife is not visible. Do not redilute mixture. Maximum time allowed for application must be adhered to.
<b>Drying (23 °C)</b> (also see "Application")	Dust free approx. 30 minutes Dry to touch approx. 6 hours Transportable approx. 20 hours  Drying times depend on film thickness, substrate and air temperatures.
<b>Forced drying</b>	Possible, e.g. 30 min. at 80 °C

<b>Solids content</b>	by weight : approx. 70 % } mixture, by volume: approx. 50 % } white approx. 1.4 kg/l }
<b>Density (20 °C)</b>	
<b>pH value</b>	8,3 - 8,6
<b>Minimum film thickness SN 555 001</b>	30 - 60 µm
<b>Theoret. consumption</b>	at 30 µm approx. 90 g/m²

	DISOVERN EP C700	Hardener H 700
<b>Flash point</b>	Not applicable	Not applicable
<b>Toxicity class</b>	Free	4
<b>BAGT No</b>	619000	619004
<b>RID/ADR</b>	Not applicable	Not applicable
<b>Æ VOC content</b>	3,6 %	2,6 %

(replaces issue 11.04)

02.05