

# *CoolBarrier*

## *Epoxy Uniprimer*



**Two Component Epoxy  
Anticorrosive Primer**



# Epoxy UNI primer

**DESCRIPTION:** Two component solvent based multipurpose polyamide cured anticorrosive epoxy system

## Principal Characteristics

- universal epoxy priming system suitable for all vessel areas
- excellent anticorrosive properties and water resistance
- surface tolerant, pure epoxy primer with good abrasion and chemical resistance
- excellent adhesion to steel, shop primer, galvanized steel and non ferrous metals
- excellent recoatability
- suitable for application and curing in a wide range of climatic conditions
- suitable for bulk supply and twin feed application

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### For atmospheric exposure conditions:

- Steel; blast cleaned to ISO-Sa2½, blasting profile 30 - 75 µm or according to ISO-St3
- Shop primed steel; pretreated to SPSS-Pt3
- Galvanized steel; cleaned from grease, salts, contamination and roughened up
- Previous coat; dry and free from any contamination
- Substrate temperature should be above 5°C and at least 3°C above dew point during application and curing
- Maximum relative humidity during application and curing is 85%

## ADDITIONAL DATA

Curing table for dft up to 100 µm and Pot Life

Substrate temperature	Pot Life	Touch dry	Dry to handle	Full cure
10°C	4 hours	6 hours	12 hours	14 days
20°C	6 hours	2 hours	8 hours	12 days
30°C	3 hours	45 min	3 hours	7 days
40°C	1 hour	45 min	3 hours	7 days

## ADDITIONAL NOTE

Before use mix properly the two components using a stirrer for at least 2 minutes. Allow the mixed product to "calm down" for 2-3 minutes before applying. Before any use, please consult the MSDS file of the product for any precaution and/or safety

## Basic Data at 20°C

**Available Colours:** Grey, Red-brown.

**Mass density:** 1.3-1,4 g/cm<sup>3</sup>

**Volume solids:** 60 ± 2%

**VOC (supplied):** max. 326 g/l (Directive 1999/13/EC)

**Recommended dry film thickness:** 75-150 µm depending on system

**Overcoating interval:** min. 3 hours at 20°C with various two pack epoxy coatings. Maximum interval when not exposed to sunshine 6 months

**Theoretical spreading rate:** 6 m<sup>2</sup>/l for 75 µm, 5 m<sup>2</sup>/l for 100 µm

**Touch dry after:** 1.5 hour

**Full cure after:** 7 days

**Shelf life (cool and dry place):** at least 6 months

## INSTRUCTIONS FOR USE

- **Mixing ratio by weight:** base to hardener 100 : 20, the temperature of the mixed base and hardener should preferably be above 15°C, otherwise extra solvent may be required to obtain application viscosity. Too much solvent results in reduced sag resistance and slower cure. Thinner should be added after mixing the components.
- **Induction time:** None
- **Pot life:** 6 hours at 20°C
- **Adequate ventilation must be maintained during application and curing.**
- **Must be protected from freezing at all times during storage**

## AIRLESS SPRAY

**Recommended thinner:** EP Solvent 10

**Volume of thinner:** 0 - 5%, depending on required thickness and application conditions

**Nozzle orifice:** approx. 0.53 mm (= 0.021 in)

**Nozzle pressure:** 15 MPa (= approx. 150 bar; 2130 p.s.i.)

## BRUSH/ROLLER

**Recommended thinner:** EP Solvent 10

Volume of thinner: 0 - 5%,

## CLEANING SOLVENT

**Recommended thinner:** EP Solvent 10 and Acetone: