

Technical Data Sheet



Thermo Coat 115

Product Description

A two-component, solvent-based epoxy resin paint resistant to temperatures up to 350°C. Thanks to its heat-resistant pigments, it will soften and darken when exposed to 350°C, but it is not flammable.

Product uses:

- Suitable for use on all types of metal and concrete surfaces which is exposed to high temperature.
- Industrial furnaces and chimneys.
- Exhaust systems and pipelines.
- Heat exchangers and boilers.
- Machinery exposed to high thermal loads.

Properties

- Withstands temperatures up to 350 °C.
- Non-flammable formulation.
- Excellent adhesion to metal substrates.
- Resistant to thermal cycling.
- It provides durable protective film with high mechanical strength.

TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Semi Gloss / RAL color card
<i>Density:</i>	1.5 kg/liter (Mixed)
<i>Volume solids %:</i>	55 %
<i>Solids by weight (%)</i>	65 %
<i>Theoretical spreading rate:</i>	5.5 m ² /ltr / 3.67 m ² /kg (100 micron DFT)
<i>Recommended DFT:</i>	200 micron
<i>(Dry Film thickness)</i>	
<i>Flash Point:</i>	>25 °C
<i>Pot Life:</i>	1 hours (23°C and 50% R.H.)
<i>VOC:</i>	485 g/ltr
<i>Surface dry:</i>	6-8 approx. hour(s) 23°C/73.4°F 50% R.H
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Full cure time:</i>	7 days (23°C and 50 % R.H.)
<i>Application temperature:</i>	+5°C/46.4° F and +35 °C/ 95°F
<i>Min. cure temperature:</i>	+10°C/50°F

Application Details

<i>Mixing Ratio:</i>	Component A: 4 – Component B: 1 (By weight)
<i>Application method:</i>	Brush – Roller – Airless Spray
<i>Thinner:</i>	Epoxy Thinner
<i>Thinner Amount:</i>	Brush (Do not thin) – Roller (10 %) - Airless spray (5-7 %)

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Surface Preparation:

- Substrate must be clean, dry, and free of oil, grease, or rust.
- Sandblasting or mechanical cleaning recommended for steel surfaces.
- Oil and grease should be removed as per SSPC-SP1 solvent cleaning with aromatic solvents.

Application Guidelines:

- Mix paint and hardener thoroughly before use.
- Apply by brush, roller, or airless spray.
- Recommended film thickness: 200 micron

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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