

Description

Solvent-free, Thixotropic intumescent epoxy coating, for jet fires and hydrocarbon pool

Characteristics

- Highly durable intumescent coating for protection of steel against hydrocarbon and jet fires; which used for: Offshore – decks, bulkheads and structural steel members; Onshore – tanks, storage, vessels and pipework
- Good resistance to splash and spillage of chemicals
- Suitable for corrosivity categories up to C5-I and C5-M
- Excellent abrasion resistance
- Approved by ABS, BV, DNV, LR, UL and GASAFE
- Meets the requirements for Norsok M501 rev 5 accelerated aging tests

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- **Color** **Gray**
 - **Gloss** **Matt**
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BASIC DATA AT 20°C

Data for mixed product	
Number of components	Two
Mass density	1.05 kg/L ± 0.02
Volume solids	100%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 0.0 g/kg max. 0.0 g/l (approx. 0.0 lb/US gal)
Recommended dry film thickness	1000 - 7000 µm (40.0 - 280.0 mils) / coat
Theoretical spreading rate	1L/m ² for 1000 µm (40 mils)
Dry to touch	10 hours
Overcoating Interval	Minimum: 4 hours Maximum: 1 month
Shelf life	Two years, Cool and dry place

RECOMMENDED SURFACE CONDITIONS AND TEMPERATURES

- Surface must be dry and free from oil, grease and any contamination
- Surface temperature during application and curing should be at least 3°C above dew point
- Relative humidity should not exceed 85%

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INSTRUCTIONS FOR USE

Mixing ratio

- By volume: base to hardener 2.25 : 1
 - By weight: base to hardener 3 : 1
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Pot life

45 minutes at 25°C

Airless spray

Recommended thinner

THINNER 9001

Volume of thinner

5 – 10%

Nozzle angle

40° for open flat surfaces

Nozzle orifice

Approx. 0.69 – 0.89 mm (0.027 – 0.035 in)

Nozzle pressure

35.0 MPa (approx. 350 bar; 5077 p.s.i.)

Notes:

- The addition of thinner will affect sag resistance and overcoating intervals
- Material (mixed) temperature needs to be between 23°C and 35°C - The maximum length of the hoses should not exceed 30 m (98.4 ft)
- Use of spray equipment with a ratio of 74:1 is recommended

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Airless spray: Plural component

Recommended thinner

None

Nozzle angle

40° for open flat surfaces

Nozzle orifice

Approx. 0.84 – 1.09 mm (0.033 – 0.043 in)

Nozzle pressure

24.0 - 31.0 MPa (approx. 240 - 310 bar; 3481 - 4496 p.s.i.)

Notes:

- Nozzle angle 40° (for open flat surfaces)
- Twin feed spray equipment utilizing a minimum 10 inch king air motor is recommended
- Base and hardener need to be pre-heated to a minimum of 55 - 60°C while circulating through the unit - Suitable insulated and/or heated hoses should be used

Trowel

Recommended thinner

THINNER 9001

Volume of thinner

0 - 2%

Note: small areas and touch-up only

Cleaning solvent

THINNER 9003

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ADDITIONAL DATA

Curing time for solvent-free application				
Substrate temperature	Dry to walk on	Time to outdoor exposure	Dry to handle	Full cure
20°C	18 hours	18 hours	18 hours	15 days
30°C	10 hours	7 hours	10 hours	10 days
40°C	4 hours	5 hours	7 hours	7 days

Notes:

- Curing times differ due to substrate, ambient and material temperature
- Ventilation should be during application and curing

SAFETY PRECAUTIONS

Avoid inhalation of spray mist, as well as contact between the wet paint and exposed skin or eyes

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