

DESCRIPTION

General purpose two component high build poly amide cured coal tar epoxy coating.

PRINCIPALS CHARACTERSTICS

- Tar epoxy coating for steel and concrete structure
- Easy to apply
- Long pot life at elevated temp
- Very good corrosion resistance
- Resistant to chemically polluted water
- Good abrasion resistance

COLOR AND GLOSS LEVEL

- Black – brown
- Semi- gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of component	two
Mass density	1.4 kg/l
Volume solid	70 ±2 %
VOC (supplied)	Max 254 g/L
Recommended dry film thickness	75 – 200 µm (3 – 8 mils)depending on the system
Theoretical spreading rate	9.5m ² for 75 µm
Dry to touch	3 hours
Over coating interval	Minimum:8hours Maximum: Extended
Full cure after	10 days
Shelf life	Base: at least 12 months when stored cool& dry Hardener: at least 24 months when stored cool& dry



Recommended substrate conditions and temperatures

SUBSTRATE CONDITIONS

- Concrete should be dry and free from any contamination
 - Steel, immersed conditions ,blast cleaned to ISO-SA2½
 - Atmospheric conditions power tool cleaned to SPSS-Pt2
 - Previous coat of epoxy primer within over coating interval and free from any contamination
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SUBSTRATE TEMPERATURE

- Substrate temperature during application and curing should be above 5°C(41°F)
 - Relative humidity during application and curing should not exceed 85%.
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Instruction for use

Mixing ratio by volume base to hardener 89:11

- Temperature of the mixed base and hardener preferably above 15°C(59°F)
 - Adding to much thinner results in reduced sag resistance and slower cure.
 - Thinner should be added after mixing two components
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Induction time

Base and hardener should be mixed by mixer to be homogenous then let them for 15 Min @25°C as induction period then apply immediately

Pot life

6 hours @20°C (68 °F)



Air less spray

Recommended thinner

Thinner no 90

Volume of thinner

0 to 10% depending on required thickness and application conditions

Nozzle orifice

0.46 – 0.53 mm

Nozzle pressure

2 – 25 MPA

Air spray

Recommended thinner

Thinner no 90

Volume of thinner

0 to 10% depending on required thickness and application conditions

Nozzle orifice

1.7 – 2 mm

Nozzle pressure

0.3 – 0.4 MPA



BRUSH / ROLLER**Recommended thinner**

Thinner no 90

Volume of thinner

0 – 5 %

Cleaning thinner**Thinner No 50****ADDITIONAL DATA**

Spreading rate and film thicknes	
DFT	Theoretical spreading rate
75 µm (3 mils)	9.33m ²
150 µm (6 mils)	4.66m ²
200 µm (8 mils)	3.5 m ²

Curing time for DFT up to 80 µm (3.1 mils)			
Substrate temperature	Dry to touch	Dry to handle	Full cure
5°C (41°F)	12 HOURS	30 HOURS	20 days
10°C (50°F)	6 hours	24 hours	14 days
15°C (59°F)	4 hours	10 hours	10 days
20°C (68°F)	3 hours	8 hours	7 days
30°C (86°F)	2 hours	6 hours	5 days



Pot life at application viscosity	
Mixed product temperature	Pot life
10°C (50°F)	12 hours
15°C (59°F)	10 hours
20°C (68°F)	6 hours
30°C (86°F)	3 hours
40°C (104°F)	2 hours

SAFETY PRECAUTIONS

- This is a solvent- borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eye

