

PUFFIN EPOXY COALTAR

Two component epoxy resin and coal tar combination has excellent physical properties such as adhesion, toughness and abrasion resistance, etc. and chemical resistance to salt water, crude oil, alkali and dilute acids. It is suitable for protective coating of tanks interior and under-water areas.

1. Properties

COLOR	Black Brown
GLOSS LEVEL	Gloss (30-85)
FILM THICKNESS, DRY (μm)	50-150
FILM THICKNESS, WET (μm)	85-255
THEORETICAL SPREADING RATE (M^2/L)	4-12
SOLIDS (VOL %)	59% +/- 2
DENSITY (g/cm^3)	1.4
FLASH POINT	100°C $\pm$ 2%
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

2. Characteristics

1) Recommended

For of tanks interior and under-water areas. Crude oil tank, Ballast tank, Void space, Cofferdam, Cargo hold, : Underwater areas, other steel structures, etc.

3. Surface preparation:

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry an free from any contamination.

4. Substrate Minimum Recommended

:

Coated surfaces Clean, dry and undamaged compatible coating (ISO12944-4 6.1) Clean, dry and undamaged compatible coating (ISO 12944-4 6.1)

5. Application: Airless spray, Air spray, Brush, Roller

Spray; Recommended:

Pressure at nozzle (minimum): 150 bar/2100 psi

Nozzle tip (inch/1000): 17-23

Filter Check to ensure that filters are clean.

Brush Recommended: for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.



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6. Mixing ratio

Puffin epoxy Coaltar base A : 4

Puffin epoxy Coaltar base B : 1

Potlife : 2-4 hour after mixing

Thinner : Puffin Epoxy Thinner

7. Drying and Curing time:

Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

Dry to over coat, minimum: The shortest time allowed before the next coat can be applied.

Surface (touch) Dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

SUBSTRATE TEMPERATURE (°C)	10	20	30
SURFACE DRY (hour)	2.5	1.5	1
DRY ON WALK (hours)	30	16	12
Dry to over coat, minimum (hours)	30	22	16
Dry to over coat, maximum (days)	5	5	5
Dried/cured for service (days)	5	57	5



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1) Product compatibility:

Depend on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product.

Some examples are shown below.

Previous:

Epoxy

Subsequent coat:

Epoxy, polyurethane

8. Precaution

1) Ensure to clean the surface before application.

2) Health and safety:

Please observe the precautionary notices displayed on the container.

Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact.

Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

3) Storage:

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care. Shelf life at 23 °C: 24 Month(s)

9. Packing size:

1kg, 5kg & 20kg Set



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