



## PUFFIN MASTIK RUSTOP PRIMER SURFACER

Two components epoxy coating with zinc chromate anti corrosion pigment. Suitable for primer coat as a part of complete system in atmospheric and immersed environments. This product can be applied in carbon steel, stainless steel, aluminium, concrete, galvanized steel, primed steel and thermally sprayed zinc substrate

### 1. Properties

COLOR	BY REQUEST
GLOSS LEVEL	SATIN 35-75
FILM THICKNESS, DRY ( $\mu\text{m}$ )	40-60
FILM THICKNESS, WET ( $\mu\text{m}$ )	80-120
THEORETICAL SPREADING RATE ( $\text{M}^2/\text{L}$ )	9-13
SOLIDS (VOL %)	55% +/- 2
DENSITY ( $\text{g}/\text{cm}^3$ )	1.3
FLASH POINT	25°C $\pm$ 2%
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

### 2. Characteristics

Suitable for internal tank and piping exposed to corrosive environments and chemical exposure up to very high and immersed.

Recommended for internal tank and pipe for offshore environments, refineries, power plants, petrochemical, tank storage for water and oil and gas, solvent and other chemical with mid concentrate

### 3. Usage

#### 1) Surface preparation

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

2) Substrate Minimum Recommended :	<p>Carbon steel Sa 2½ (ISO 8501-1)</p> <p>Stainless steel: Cleanliness and surface profile corresponding to Sa 2½, Fine G (ISO 8503-2)</p> <p>Aluminium: The surface shall be hand or machine abraded with non-metallic abrasives or bonded fibre machine or hand abrasive pads to impart a scratch pattern to the surface and to remove all polish from the surface. Dry abrasive blast cleaning to SSPCSP 13/NACE No. 6.</p> <p>Galvanised steel: The surface shall be clean, dry and appear with a rough and dull profile. Light brush blasting using nonmetallic abrasive leaving a clean, rough and even pattern.</p> <p>Coated surfaces: Clean, dry and undamaged compatible coating (ISO 12944-4 6.1)</p>
3) Application:	<p>Airless spray, airspray, brush, roller</p> <p>Spray; Recommended : Pressure at nozzle (minimum): 150 bar/2100 psi Nozzle tip (inch/1000): 15-19 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.</p>
4) Mixing ratio	
Base A	4
Base B	1
Pot life:	2-4 hour after mixing Thinner
Tinner:	Puffin Epoxy Thinner
5) Drying and Curing time:	<p>Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.</p>
Walk-on-dry:	<p>Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.</p>
Dry to over coat, minimum:	<p>The shortest time allowed before the next coat can be applied.</p>
Surface (touch) Dry:	<p>The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.</p>

<b>SUBSTRATE TEMPERATURE (°C)</b>	<b>15</b>	<b>23</b>	<b>40</b>
<b>SURFACE DRY (hour)</b>	<b>2</b>	<b>1</b>	<b>0.5</b>
<b>DRY ON WALK (hours)</b>	<b>14</b>	<b>6.5</b>	<b>3</b>
<b>Dry to over coat, minimum (hours)</b>	<b>5</b>	<b>4</b>	<b>3</b>
<b>Dried/cured for service (days)</b>	<b>10</b>	<b>7</b>	<b>4</b>

**6) Product compatibility :**

Depending 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

Subsequent coat :  
Previously :

Epoxy, Polyurethane  
Shop primer

**4. 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)

**5. Packing Size:**

1 & 5 & 20 Kg Set

