



## PUFFIN EPOXY MASTIC RUSTOPCOAT

Two components polyamide cured with high molecular weight epoxy surface tolerance coating. Suitable for top coat or recoat. Can be use as top coat or body coat for chemical resistant paint This product can be apply in carbon steel, stainless steel, aluminum, concrete, galvanized steel, primed steel.

### 1. Properties

|  |                                |
|--|--------------------------------|
| COLOR  | Colour Card                    |
| GLOSS LEVEL  | Gloss (75-85)                  |
| FILM THICKNESS, DRY ( $\mu\text{m}$ )                | 40-60                          |
| FILM THICKNESS, WET ( $\mu\text{m}$ )                | 55-80                          |
| THEORETICAL SPREADING RATE ( $\text{M}^2/\text{L}$ ) | 14-18                          |
| SOLIDS (VOL %)                                       | 75% +/- 2                      |
| DENSITY ( $\text{g}/\text{cm}^3$ )                   | 1.3                            |
| FLASH POINT  | 25°C $\pm$ 2%                  |
| PRACTICAL COVERAGE                                   | ALLOW APPROPRIATE LOSS FACTORS |

### 2. Characteristics

Recommended

For internal tank and pipe, steel construction in offshore environments, refineries, power plants, petrochemical, tank storage for water, oil and gas, solvent and other chemical with mid concentrate and interior steel structure

### 3. Usage

1) Surface preparation

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

2) Substrate Minimum Recommended :

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

dry and undamaged compatible coating  
(ISO 12944-4 6.1)

3) Application:

Airless spray, airspray, brush, roller  
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.

4) Mixing ratio

|            |                       |
|------------|-----------------------|
| Base A :   | 4                     |
| Base B :   | 1                     |
| Pot life : | 6-8 hour after mixing |
| Thinner :  | Puffin Epoxy Thinner  |

5) 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.

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

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:

Epoxy, Polyurethane

Previously :

Shop primer, Epoxy

**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 :**

1Kg, 5Kg & 20Kg Set