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## PUFFIN METAL PAINT WB

**Puffint Metal PAINT WB** it is a specially engineered water-based acrylic direct To Meal (DTM) coating that provides strong adhesion to a wide range of surfaces, both ferrous and non-ferrous, without the need for a primer. offering outstanding protection against corrosion and weathering. Puffint Metal Paint WB Suitable ferrous (iron, steel, galvalum non ferros (aluminium, concrete) substrate and ideal for steel structures and constructions,or other function with those substrate

### 1. Properties

COLOUR	Catalog
GLOSSLEVEL	Gloss (70-85)
FILMTHICKNESS,DRY( $\mu\text{m}$ )	120– 40 (achieved 2-3 layer )
FILMTHICKNESS,WET( $\mu\text{m}$ )	300 -100 (achieved 2-3 layer )
THEORETICALSPREADINGRATE ( $\text{M}^2/\text{L}$ )/layer	10 – 8
SOLIDS(VOL%)	42+/- 2%
SPECIFIC GRAVITY	1.20 $\pm$ 0.04
DENSITY(kg/l)	1.2
FLASHPOINT	25°C
PRACTICALCOVERAGE	ALLOWAPPROPRIATELOSSFACTORS

### 2. Features and Benefits

1. Water based Low VOC, environment friendly
2. Can use direct to metal
3. Excellent adhesion to various substrate without using primer
4. Excellent corrorsion resistance until 500 hrs (Salt Spray Chamber)
5. Wide covarge
6. Fast dry
7. Easy to used

### 3. Recommended Use

PUFFIN METALPAINT WB can using to new galvanized metal or rusted galvanized metal, iron, steel, galvalum spandekand profile, concrete substrate

### 4. Characteristics

Suitablefor: Suitable for galvalum, iron, steel, spandek, concrete substrate usage on roof, slap under concrete, contruction

### 5. Usage

a. Surfacepreparation: All surfaces should be clean, dry and free from contamination

## APPLICATION

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Thinner	: Clean Water
Application Condition	: 25 – 35°C, 60 – 80%RH
Application Method	: Air spray (Air-less spray or conventional spray) Brush/Roller (Recommended)
Guiding Data Airless Spray	: Pressure at nozzle 140 -190 kg/cm <sup>2</sup> (2100 psi)
Nozzle Tip	: 0.021” – 0.027”
Spray Angle	: 65° – 80°
Filter	: Check to ensure that filters are clean
Wet Film Thickness (WFT)	: 95 microns (for DFT 40 mic)
Dry Film Thickness	: Minimum 2 x 40 microns
Theoretical Coverage	: 8.75 m <sup>2</sup> /Kg (DFT 40 mic) before thinning
Coating amount	: 114 g/ m <sup>2</sup> (DFT 40 mic)
Re-couting interval	: Minimum 3 hours (30°C)
Drying Time	: Depands to air circulation, temperature, film thickness, and number of coats, and will be affected correspondingly
Mixing Ratio (Volume)	: Paint ready to use after proper stirring if thinning is required clean water may be added up to maximum of 20%

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## **FILM PROPERTIES**

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Drying time : Surface dry = 20 – 30 mins (30°C)  
Hard Dry = 3 – 4 Hours (30°C)

## **OTHERS**

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Storage Stability : The Product has a shelf of two years when stored in a cool, dry place and kept in it's original, unopened packaging. (don't store below freezing temperatures.

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## **SURFACE PREPARATION**

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1. All surfaces should be clean, dry and free from contamination.
2. Oil or grease should be removed by solvent cleaning or industrial detergent.
3. Remove the rust with wire brush, sand paper, rust converter ROST X-10.
4. Provide adequate ventilation during application and drying.

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## **INSTRUCTION FOR USE**

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1. Stir thoroughly, add maximum 10% clean water for air spray application.
2. After 3 hours, apply second coat.

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## **COATING RECOMMENDED**

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First coat : Metal Paint WB

Second coat : Metal Paint WB

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## **CONDITION DURING APPLICATION**

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Apply at a temperature between 10°C and 35°C, Temperature of substrate should be minimum 3°C above the dew point of the air, the temperature and relative humidity should be measured in vicinity of substrate

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## **STORAGE**

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The product must be stored in tightly closed container and keep container in dry cold, well ventilation space, away from source of heat and ignition.

## **HANDLING**

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Handling with care, still well before use

## **PACKING SIZE**

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1 L, 5 L & 20 L