



## PUFFIN WOODSTAIN OXIDE CLEAR SOLVENT BASED

Is a thermoplastic acrylic base paint which has oxide clear gloss / doff finishing. This product suitable for properly prepared carbon steel, iron, aluminium, galvanis steel, concrete, stainless steel, stone, plastic ABS and wooden substrates.

### Features

- Solvent based
- Fast dry
- Gloss and doff
- Wide coverage
- Fast dry and brush mark free

### Recommended use

Top coat for wood, wall and concrete  
Suitable for new or previously wood substrate as a transparent colour coating so the basic motif or pattern of wood or other substrates will remain visible

### Properties

COLOR	Available
GLOSS LEVEL	Gloss (70-85)Doff(25-45)
FILM THICKNESS, DRY ( $\mu\text{m}$ )	30-40
FILM THICKNESS, WET ( $\mu\text{m}$ )	90-120
THEORETICAL SPREADING RATE ( $\text{M}^2/\text{L}$ )	11.5-8.5
SOLIDS (VOL %)	30 $\pm$ 2

DENSITY (g/cm <sup>3</sup> )	1.
FLASH POINT	25°C ± 2%
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

## Usage

Surface preparation:

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

Substrate Minimum Recommended :

The surface should be assessed and treated in accordance with Substrate Minimum Recommended:

For wooden substrate : Clean and dry surface. Surface contamination is to be removed by detergents and fresh water cleaning.

For Aluminium : Abrasive blast cleaning to achieve a surface profile using non-metallic abrasive media which is suitable to achieve a sharp and angular surface profile.

For Galvanised steel: Sweep blast-cleaning using non-metallic abrasive leaving a clean, rough and even pattern

For Stainless steel : Abrasive blast cleaning to achieve a surface profile using non-metallic abrasive media which is suitable to achieve a sharp and angular surface profile.

For carbon steel substrate : Sa 2½ (ISO 8501-1)

For stone : Clean ,dry and free from any contamination .

For ABS Plastic : Clean ,dry and free from any contamination

For concrete : Min Age of concrete 1 months with PH<9 , moisture content < 17 %. Clean ,dry and free from any contamination

For coated substrated : clean ,dry , free for any contaminations and undamaged compatibility coatings

Application: airless spray, airspray, brush, roller

- Spray: Pressure at nozzle (minimum): 150 bar/2100 psi.  
Nozzle tip (inch/1000): 18~21  
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.
- Roller: May be used for small areas. Not recommended for first primer coat. Care must be taken to achieve the specified dry film thickness.
- Thinner : Puffin Thinner HG or PU
- 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)	5	10	23	40
SURFACE DRY (hours)	10	6	3	1
DRY ON WALK (hours)	20	10	5	3
Dry to over coat, minimum (hours)	12	6	3	1

Heat resistance Temperature :	Continuous	Peak
Dry :atmospheric	120'C	140'C

Peak temperature duration max. 1 hour.

The temperatures listed relate to retention of protective properties.

Aesthetic properties may suffer at these temperatures.

Product compatibility :	Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product.
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Some examples are shown below.

Previous coat:	Epoxy, Vinyl, Acrylic
Subsequent coat:	Acrylic, PU

### **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 : 48Month(s)

<b>Packing :</b>	1L, 5L & 20L
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