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PUFFIN ALKYD ENAMEL SUPERGLOSS

One component alkyd coating with gloss finishing. Can be use as top coat or Single coat in normal atmospheric environments. Suitable for carbon steel, iron, and wooden substrates.

1. Properties

COLOR	Available
GLOSS LEVEL	Gloss (10-25)
FILM THICKNESS, DRY (µm)	30-60
FILM THICKNESS, WET (µm)	60-120
THEORETICAL SPREADING RATE (M^2/L)	16~8
SOLIDS (VOL %)	50± 2
DENSITY (g/cm^3)	1.2
FLASH POINT	36ºC ± 2%
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

2. Characteristics

1) Recommended — For steel structure, wooden and concrete

3. Usage

1) Surface preparation: — For lasting adhesion to the subsequent product, all surfaces must be clean, dry and free from any contamination. Oil or grease should be removed.

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

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

for coated substrate: clean ,dry , free for any contaminations and undamaged compatibility coatings.

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.

Roller: For small areas. Not recommended for first primer coat. Care must be taken to achieve the specified dry film thickness.

4) Dilution Thinner NC.

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.

SUBTRATE TEMPERATURE (°C)	5	10	23	40
SURFACE DRY (hours)	3	2	1.5	0.5
DRY ON WALK (hours)	14	7	3	1
Dry to over coat, minimum (hours)	24	18	12	9

6) Heat resistance Temperature :
Dry :atmospheric
Peak temperature duration

Continuous Peak
120'C 140'C
max. 1 hour.

The temperatures listed relate to retention of protective properties. Aesthetic properties may suffer at these temperatures.

7) 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.

Previous coat:	Alkyd, vinyl, epoxy
Subsequent coat:	Alkyd

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: 48Month(s)

5. Packing: 1kg, 5 kg, 20kg