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PT. Indowijaya Sakti Teguh

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Telp : 021- 62313238

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PUFFIN CLEAR COAT PU

Two components aliphatic polyurethane clear coat finish for heavy duty premium coatings system with high gloss / doff finishing. This product has very good weather and chemical resistant, suitable for high traffic top coat in atmospheric environments.

1. Properties.

COLOR	Clear
GLOSS LEVEL	Gloss (75-85)DOFF(0-35)
FILM THICKNESS, DRY (μm)	10-20 vertika) / 17.5-34.5(horisantal)
FILM THICKNESS, WET (μm)	24-45(vertikal) / 35-75(horizontal)
THEORETICAL SPREADING RATE (M^2/L)	46-239vertikal / 26-13 (horizontal)
SOLIDS (VOL %)	46 \pm 2
DENSITY (g/cm^3)	1
FLASH POINT	26 $^{\circ}\text{C} \pm 2\%$
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

2. Characteristics

1) Recommended

For steel structure, concrete / stone, abs plastic, stainless steel, aluminum, galvanize, wooden

3. Usage

1) Surface preparation:

To secure adhesion to the subsequent product, all surfaces shall 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 carbon steel substrate : Sa 2½
(ISO 8501-1)



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

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

For stainless steel: cleanliness and surface profile corresponding to Sa 2½, Fine G (ISO 8503-2) Cleanliness and surface profile corresponding to Sa 2½, Fine G (ISO 8503-2).

For Aluminum: the surface shall be hand or machine abraded with non-metallic abrasives or bonded fiber 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

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

For stone : Clean, dry and free from any contamination

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

For coated substrate : Clean, dry, free for any contaminations and undamaged compatibility coatings



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3) Application:

Airless spray, airspray, brush, roller

Spray : Pressure at nozzle (minimum): 150 bar/2100 psi. Nozzle tip (inch/1000): 11-17
Filter Check to ensure that filters are clean.

Brush : For stripe coating and small areas.
Care must be taken to achieve the specified dry film thickness.

Roller : Use 2mm foamed roller ,5 mm natural hair rollers. Care must be taken to achieve the specified dry film thickness.

4) Mixing ratio

Base A :

2

Base B :

1

Induction

10 min

Pot life

3 Hour

Cleaning and tinning

Puffin PU thinner

Tinning max

30 %.

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.

Surface (touch) Dry:

The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Dried /Cured for service:

Minimum time before the coatings can be permanently exposed to the intended environment /medium.



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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 :

1 L , 5 L & 20 L Set