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PT. Indowijaya Sakti Teguh

Jl. Pangeran Jayakarta 121/3-4

Telp : 021- 62313238

PUFFIN DUCOAT PU

Two components aliphatic polyurethane heavy duty premium coatings with high gloss finishing, This product has good weather and chemical resistant, suitable for topcoat in atmospheric environments

1. Properties

COLOR	Limited color available
GLOSS LEVEL	Gloss (<85)
FILM THICKNESS, DRY (µm)	40-60
FILM THICKNESS, WET (µm)	80-120
THEORETICAL SPREADING RATE (M ² /L)	12.5 – 8.5
SOLIDS (VOL %)	50± 2
DENSITY (g/cm ³)	1.2
FLASH POINT	26°C ± 2%
PRACTICAL COVERAGE	ALLOW APPROPRIATE LOSS FACTORS

2. Characteristics

- 1) Recommended Steel structure, concrete/stone, abs plastic, HDPE plastic

3. Usage

- 1) 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.

- 2) Substrate minimum recommended : The surface should be assessed and treated in accordance with substrate minimum recommended
For Carbon steel substrate: Sa2½(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 Stone : Clean, dry and free from any contamination
	ABS Plastic : Clean, dry and free from any contamination
	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): 13-19 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	2 Hour
Cleaning and tinning use	Puffin PU thinner Max 20 %.
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



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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

SUBSTRATE TEMPERATURE (°C)	5	10	23	40
SURFACE DRY (minute)	4	4	3	2
DRY ON WALK (hours)	12	8	2	2
Dry to over coat, minimum (hours)	12	8	2	2
Dried / Cured for service (days)	21	14	7	4

6) Heat resistance

Temperature	Continuous	Peak
Dry :atmospheric	120'C-140'C	Peak temperature duration max 1hour.

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:	Epoxy primer/ epoxy zinc rich primer
	Zinc ethyl silicate



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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 size:

1 L , 5 L & 20 L SET