P.O.Box: 85 – Zouk Mikhaël / Lebanon
Tel.: +961 9 218 645 - +961 9 218 656
Fax: +961 9 220 215
www.Amazonapaints.com
info@Happywallpaints.com

TECHNICAL DATASHEET

POLYURETHANE PAINT
(Matt, Semi-Gloss, Gloss)

PRODUCT DESCRIPTION

A high performance, non-yellowing finish. Polyurethane topcoat has excellent gloss and color retention along with superior chemical, abrasion and impact resistance.

PRODUCT BENEFITS

1- Remarkable weather & abrasion resistance in urban & aggressive environments
2- Scratching resistance
3- Excellent hardness
4- High durability
5- Excellent gloss retention
6- Good resistance to chemicals, acid and alkali solutions

RECOMMENDED USES

Interior and Exterior heavy duty finish for applications where high performance, excellent abrasion, chemical and mechanical resistance are required. Ideal for wood surfaces and can also be applied on metallic substrates.

SURFACE PREPARATION

Surfaces must be clean and dry; free from all contaminations, dust and other polluting material.
Deteriorated previous coatings should be removed.
Surfaces can be washed but paint must be applied after complete drying of the substrate
Non deteriorated surfaces should be roughened to ensure good adhesion of the applied coating.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Technology	Polyurethane
Physical State	Viscous Liquid
Appearance	Comp. A Viscous liquid Comp. B clear liquid Two Components- requires mixing 1U.S.G. = 50% Hardener PU

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Finish	Matte Semi-Gloss Gloss
Color	Cf. catalogue

Component A

Specific Gravity, ISO 2811	1.2- 1.5g/cm^3
Viscosity, ISO 2884	10- 12 poises

Component A+B

Drying Time, ASTM D 5895	30 min to touch.
Wet Film Thickness, ISO 2808	100- 150 µm per coat
Dry Film Thickness, ISO 2808	50- 75µm per coat
Recoat Time	After 2- 4 hours
Coverage	10- 12 m^2 /L

Sag Resistance, ASTM D 3730	Excellent
Leveling, ASTM D 2801	Excellent

Scratching Resistance, ASTM D3002, D 3359	Excellent
Hardness	Excellent

Chemical Properties

Component A

% Solids by Weight	50- 70 %
% Solids by Volume	50- 65%

PRIMING/ THINNING/ APPLYING

Prime the surface with PU Sealer or PU Primer.

Mix Component A with Component B
Allow the mixture to react for 10- 15 min
Thin with 15- 20% PU thinner

Apply one coat on the substrate. Recoat if necessary after 2-4 hours to ensure complete drying of the first layer.
Tools: brush, Roller, Spray
Clean tools and equipment with PU Thinner immediately after use.

CAUTION

Flammable liquid. Keep away from flame or high heat.
Avoid inhalation of spray mist and arrange for adequate spraying precautions especially in closed areas.

PACKING

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In cylindrical tin containers of the following capacities:
- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1 Pail (5 U.S.G.) = 20 L

Each container is supplied with its appropriate hardener and Thinner

STORAGE

Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.

All details about working with our products should be adapted to prevailing local conditions and materials used.