

## TECHNICAL DATASHEET

# POLYURETHANE PAINT (Matt, Semi-Gloss, Gloss)

### PRODUCT DESCRIPTION

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

### PRODUCT BENEFITS

- 1- Excellent scratching resistance
- 2- Excellent hardness
- 3- High durability
- 4- Excellent gloss retention
- 5- Good resistance to chemicals, acid and alkali solutions

### RECOMMENDED USES

Interior 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

Finish                      Matte Semi-Gloss Gloss  
Color                      Cf. catalogue

## Component A

Specific Gravity, ISO 2811                      1.2- 1.5g/cm<sup>3</sup>  
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<sup>2</sup> /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 (preferred method).  
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

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.