

DEAD MATT CLEAR



TECHNICAL DATA SHEET

DEAD MATT CLEAR

Description

Polyurethane Dead Matt provides the subtle dead matte finish, which ensures that wood grains are well-highlighted. The product gives excellent burnish, chemical, and scratch resistance and self-healing performance. It is suitable for application not only over wooden surfaces but also for the Automotive and Industrial segment where a dead matt finish is required, and has an applicable pot life of 3 hrs.

Product

DEAD MATT CLEAR

Woods for which the product is suitable

- Hard wood
- Veneer Ply wood
- Automotive and Industrial

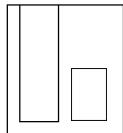
Product Properties

POLYURETHANE CLEAR MATT

In Can Appearance	:Free Flowing translucent Liquid
In Can Viscosity	: 25 ± 5 secs @ 30°C Ford cup B4
Non Volatile Material	: $35 \pm 2\%$
WPL (weight per litre)	: 0.99 ± 0.02 gm./ml
Shelf Life	:2 Years (from date of mfg.)

** Note – Product shelf life is determined at minimum temperature 10°C (50°F) maximum temperature 35°C (95°F)

Mixing Ratio



2 Parts by Volume - Dead Matt Clear
1 Part by Volume – Dead Matt hardener

2:1

Complementary Products

Quantities

Hardener	Pu Dead Matt Hardener	In weight w/w %	49
		In volume v/v %	50
Solid Content		42 ± 2	
Thinner	Pu Medium Thinner	In weight w/w %	5
		In volume v/v %	6

READY TO USE PRODUCT PROPERTIES

	Solid content 1st +2nd component(%)	37 ± 2
	Pot life @ 30°C	3 hrs
	Viscosity (Ford 4 cup)	18 ± 2
Application		Quantities
	Hand spray	gr/m ² min-max: 250 - 300
Code/Gloss	CODE	Gloss level EN ISO 2813 (angle measurement 60°)
	Dead Matt Clear	Sheen- 1.5-3

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Surface Preparation and application



- Make Sure Proper Sanding of the Panel is done with #320-400 Mess
- Remove all dust from the surface using clean, quality rags or wiping towels.
- Apply 2 coats of Pristine. Infinity, Radiant, WAI clear sealer,
- Sand the panel properly, and make sure no orange peel is seen on the panel.
- Apply 2 Coats of PU Dead Matt Clear.

Spray Gun Set UpMatt



- Gravity Feed (Orifice) – 1.4 mm
- Air Pressure: 2.4 – 3 Bar at spray gun inlet.

Application



- 2 Coat Applications
- (40 – 50) μ - spray Gun 1.4mm
- Flash Off in Between Coats – 4-6 min @30°C, RT – 65%

Products and Additives

Dead Matt Clear
Dead Matt Hardener
Pu Thinner

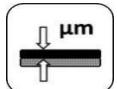
Product Properties After Application



- Dust Free Time: 30 – 40 min
- Handability Dry – 4-5 hours @30°C

*Note – All results are considerable at RT= 30°C & RH = 65%.

Coverage



Theoretical Coverage – 60-65 Sq. ft. per litre At 40-50 Microns DFT at 30 Degree Celsius The practical material usage depends on many factors i.e. shape of the object, roughness of the surface, application techniques, application pressure, application method and application circumstances.

Product Performance Properties

- Cross Hatch adhesion – 2 mm (100*100mm)
- Finish-smooth
- Humidity Resistance – 40 Degree Celsius x RH 90% x 240hrs.
- Excellent Burnish resistance
- Excellent scratch resistance
- Excellent Stain resistance.

*Note – Product Shelf Life is determined when product is stored unopened at 30°C(86°F). Avoid Much temperature Fluctuation.