

DESCRIPTION

Tweecolux is a two component varnish based on saturated polyester resins and modified isocyanate hardeners.

PRINCIPAL CHARACTERISTICS

- Excellent levelling, easy application by brush, roller or spray;
- Good resistance to various chemicals;
- Suitable as first coat for new wood, especially when good filling properties of open grains are required;
- Excellent scratch and mar resistance;
- High gloss;
- Also suitable as coating system for moulds for pre-fabricated concrete parts;
- May be recoated with Double Coat Dubbel UV, Jachtlak PU or Zijdeglansvernis PU;
- Fast drying, several coats may be applied within one day.

COLOURS AND GLOSS

Transparent - High gloss

BASIC PROPERTIES (AT 23 °C AND 50% R.H.)

Density	:	approx. 1,1 g/cm ³
Solid content	:	approx. 45 % (volume)
Recommended d.f.t.	:	35 - 70 µm (dry), depending on application, see additional information
Dust dry after	:	approx. 20 minutes
Full cure after	:	approx. 3 days, see additional information
Recoating interval	:	min. 2 hours, see additional information max. unlimited, provided gritpapered, clean and dry
Shelf life	:	separate components, stored cool and dry in original packaging, minimum 12 months
Flash point (DIN53213)	:	base component 21 °C hardener 28 °C

SPREADING RATE

At 35 µm (d.f.t.)	:	12,9 m ² /kg (14,8 m ² /l)
At 50 µm (d.f.t.)	:	9,0 m ² /kg (10,4 m ² /l)
At 70 µm (d.f.t.)	:	6,4 m ² /kg (10,4 m ² /l)

The practical spreading rate depends on a number of variables, such as: shape and size of object to be painted, the condition and profile of the substrate, the method of application, climatologic conditions and skill of labour.

SUBSTRATE CONDITION AND TEMPERATURE

Wood : moisture content maximum 12%, pre-treated with Variopox Injection resin and sanded with grit paper P120;

During application and curing a minimum temperature of 10 °C is allowed. The temperature of the substrate should be minimum 3 °C above dew point.

INSTRUCTIONS FOR USE

Before use, mix base and hardener components thoroughly.

Mixing ratio : 50,0 base : 50,0 hardener (by weight)
50,0 base : 50,0 hardener (by volume)

Do not prepare more material than can be applied within the pot life of the mixture.

Induction time : none
 Pot life : 2 hours at 25 °C
 3 hours at 20 °C
 5 hours at 15 °C

Application with :

	Brush/roller	Air spray	Airless spray
Type thinner	Brush thinner	Spray thinner	See additional information
% of thinner	3 - 5 %	5 - 15 %	
Nozzle orifice	n.a.	1,4 - 1,6 mm	
Nozzle pressure	n.a.	2 - 3 bar	
Cleaning	Brush thinner	Spray thinner	

ADDITIONAL INFORMATION

- Recoating and curing of Tweecolux

	10 °C	20 °C	25 °C
Minimum	4 hours	2 hours	2 hours
Maximum, without sanding	3 days	2 days	1 day
Maximum, after sanding with grit paper P320-P400	unlimited	unlimited	unlimited
Fully cured after	5 days	3 days	2 days

- Recommended filmthickness
 The recommended filmthickness in this datasheet is for each separate layer and depends on application method. How many layers are recommended depends on the field of application, the exposure conditions and type of substrate. The total necessary number of layers can be found in the paint system recommendation.
- Application of Tweecolux by brush or roller
 - Adjust the viscosity with Double Coat Brush thinner to 50 to 55 s DIN 4.
 - Use oval brushes or solvent resistant mohair or moltoprene rollers.
- Application of Tweecolux by spray
 - Application of Tweecolux by spray is only recommended for professional users only;
 - Adjust the viscosity with Double Coat Spray thinner to 18 to 20 s DIN 4.
- Application of Tweecolux by airless spray
 - Tweecolux can be applied without adding additional solvent using a Wagner Cobra 40/10.
 - Use a material pressure of 2 ½ Bar (100 Bar with a pump ratio of 40:1).
 - Use a nozzle of 0,013 inch with angle 40 or 60°.
- Types of wood
 Tweecolux is not suitable as primer for teak or oak wood.
- Sanding Tweecolux
 Tweecolux can be sanded 2 hours after application.

SAFETY INFORMATION

See the corresponding Material Safety Data Sheet for detailed instructions on safety, disposal and health.

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Disclaimer

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