

# Technical Data Wood Coating

## Touchwood PU – Clear (Int) Topcoats

### Product Description

A two pack polyurethane coating based on suitably modified polyester containing special additives to provide a smooth, tough, durable and hardwearing low sheen finish with good flow and film build-up. In addition this product has

- Excellent leveling and fast drying properties
- Silky finish with good hardness
- Good resistance to household chemicals and beverages

### Recommended Areas of Application

**Area of Use** : Interior only  
**Substrate** : Wood and related substrates

### Technical Data

**Sheen Variants** : Full gloss, 50%, 30%, 20, 10% and Full Matt  
**Colours** : Translucent clear  
**% Solids (NVM)** : 47 ± 2

Theoretical Covering Capacity	Recommended Dry Film Thickness per coat		Theoretical Spread rate m <sup>2</sup> / ltr
	<b>Minimum</b>	30 microns	11.7 m <sup>2</sup> / ltr.
	<b>Maximum</b>	50 microns	7.00 m <sup>2</sup> / ltr.
	<b>Typical</b>	40 microns	8.75 m <sup>2</sup> / ltr.

**Practical Covering Capacity** : For estimation of practical covering capacity, following factors to be taken into account: surface profile, uneven application, over spray, losses in container and equipment etc.

Drying time	Substrate Temperature	Sandable Dry	Overcoating Interval	
			Minimum	Maximum
	25°C	3 hours	8 hours	Indefinite
	35°C	2 hours	6 hours	Indefinite
	45°C	1½ hours	3 hours	Indefinite

This is a two pack product. Mixing ratio of base to Catalyst is 2:1 by volume.

## Application Data

<b>Method of application</b>	: Conventional spray application
<b>Part B</b>	: TW PU Hardener No.1 and TW PU Hardener No.2 (for full gloss only)
<b>Thinner</b>	: Touchwood PU Thinner
<b>Thinning ratio (by vol.)</b>	: Use 10% to 15% for ease of application depending on the gun type
<b>Available Pack Size</b>	: 1 USG and 5 USG

## Surface Preparation

- Sand the wood surface (new or previously painted) thoroughly using P 180 emery paper first, followed by P 400 emery paper.
- Dust off the surface using rags and wipe off with PU Thinner to remove traces of oil, grease, or any organic contaminants. In case of hard wood, make sure it is seasoned for appropriate time prior to application of coating system to ensure minimum quantity of moisture is present.
- Apply 2 coats of Touchwood PU Sanding Sealer(INT) to fill the surface. Sand thoroughly and then apply the topcoat.
- Apply 1 – 2 coats of Touchwood PU(INT) Topcoat Clear mixing with appropriate hardener to a well-prepared surface and for a perfect finish again sand it well with very smooth sanding paper and apply a fine coat.

## Application Details

- Ensure adequate ventilation during application and drying.
- Do not apply when humidity exceeds 85% and condensation is likely.
- Surface temperature should be 3°C or more above dew point.
- Stir the contents thoroughly before and during use, with a broad flat stirrer, using an upward lifting action.
- Mix base and hardener thoroughly and full quantity.
- Conventional Spray: Tip Size : 1.4mm  
Pressure : 40 – 50 bar.
- Brush or roller: Recommended only when the area is not suitable for spray application.

### TYPICAL PAINT SYSTEM

#### Timber

2 coats x Touchwood PU(I) Sanding Sealer

1 or 2 coats x Touchwood PU(I) Topcoat Clear

For detailed system recommendation based on specific requirements please contact Representative

## Storage, Safety Information And Precautions

### Safety Precautions

- Keep out of reach of children.
- Store in cool, dry conditions; ensure adequate ventilation during application.
- Avoid contact with skin and eyes; wear suitable protective clothing such as overalls, goggles, dust masks and gloves.
- Flash Point: 23°C
- Shelf life of up to 24 months from the date of manufacture of base.
- Shelf life of up to 6 months from the date of manufacture of hardener.

## First-Aid

- Eyes : In the event of accidental splashes, flush eyes with water immediately and obtain medical advice.
- Skin : Wash skin thoroughly with soap and water or approved industrial cleaner.
- Inhalation: Move patient to fresh air, loosen collar and keep patient rested.
- Ingestion : Do not induce vomiting. Obtain immediate medical attention.
- Dispose in landfill only.

## Disclaimer

The information provided in this data sheet is not intended to be complete. It is the responsibility of the user to ensure that the product used is suitable for the purpose it is meant to serve. In view of various factors affecting the performance of the coating, we cannot assume responsibility for the product performance, nor do we accept any liability arising from use of this product, unless specifically agreed to in writing by us. The information provided in the datasheet may be modified by us without notice.

*This Technical Data Sheet supersedes those previously issued with immediate effect*