

Technical Data Wood Coating

Touchwood Acrylic PU Top Coats – Clear

Product Description

Touchwood Acrylic Polyurethane clear is a premium quality two-pack composition based on acrylic resin isocyanate. The product has been designed to withstand very aggressive physical and chemical environments like abrasion, heat, light, alcohol, tea hot beverages, nail enamel and almost all aliphatic aromatic solvents. This product outperforms any other conventional wood finish by many times both on short term as well as long term performance and it is available in pigmented and lacquer (Gloss/ Satin/ Matt) form.

It is also highly resistant to yellowing.

Touchwood Acrylic PU Sanding Sealer with Acrylic PU Top Coat is a FIRA Approved system.

Recommended Areas of Application

Area of Use	: Exterior/Interior
Substrate	: Natural wood, Wood substitutes like Plywood, Particleboard etc.

Technical Data

Finish	: Glossy, Satin and Matt
Composition	: Acrylic polyol cured with Aliphatic Isocyanate
Mixing Ratio	: As per pack size
% Solids (NVM)	: 43±2%
Pot life of the mixture	: 4-5 hrs. at 30°C
Pack Size	: 1USG, 5USG
Theoretical Coverage	: 11.2-12.8Sqm/Lt@25μDFT
Practical Coverage	: Practical coverage may depend upon surface profile, method of application and weather conditions.

Drying time @ 30°C	Surface Dry	Touch Dry	Sandable Dry	Recoatibility	Hard Dry
	1 hour	2 hours	5 hours	6-8 hours	7 days

Application Data

Method of application	: Conventional spray at a viscosity of 20-22 Sec
Thinner	: Touchwood Acrylic PU. Thinner
Thinning ratio (by vol.)	: 30 – 35 % by Volume
Part B	: TW 2K PU (EXT)

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.

Application Details

- Apply appropriate wood filler for filling the grains and sand off the excess filler.
- Apply 1 or 2 coats of Touchwood Acrylic PU Pigmented Primer (for Pigmented top coat) or Sealer (for Clear top coats) and fine sand it with P 400 sandpaper.
- Dust off the loose powdery particles. Spray two pack Polyurethane Pigmented/clear top coat after mixing the base and hardener in the specified ratio and allowing the mixture to remain for 5-10 minutes before application (for effervescences to subside completely). If viscosity of base and hardener mixture is found to be higher than the specified application viscosity Acrylic PU. Thinner can be added to adjust the viscosity.

TYPICAL PAINT SYSTEM

Clear System	Pigmented System
2 coats x Touchwood Acrylic PU Sanding Sealer	2 coats x Touchwood Acrylic PU Pigmented Primer
2 coats x Touchwood Acrylic PU Topcoat x Clear	2 coats x Touchwood Acrylic PU Pigmented Topcoat
For detailed system recommendation based on specific requirements please contact representative.	

Storage, Safety Information And Precautions

Storage and Handling:

- Base and hardener should be stored separately in a cool place.
- For protection against exposure to isocyanate system, wear goggles, air fedmask and necessary attire.
- Never keep the lids of the cans containing base and hardener open.
- Always use the base and hardener as supplied. Don't use partially.
- Dispose in a landfill and not in a drain or water channel.
- Shelf life up to 24 months from the date of manufacture of base.
- Shelf life up to 6 months from the date of manufacture of hardener.

Safety Information:

- Flash Point: 20° C
- Fire Hazard class: Flammable

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