

**TU 34\*\***

**HIGH-BUILD CLEAR POLYURETHANE SELF-PRIMING TOPCOAT**

supersedes previous issue dated 30/11/05

Versions:	10, 25, 40, 50 gloss.		
Area of use:	Profiles (picture frames, skirting board), turned parts and flat parts		
Method of use:	Spray gun and curtain coater.		
Mixing procedure:		by weight (kg)	by volume (l)
	Part A	TU 34**	100
	Part B (hardener)	TH 799	50
	Thinner	DT 1150	5-20
			100
			50
			5-25

**Technical characteristics:**

Solids content (%):	Part A: 55 ± 1	
	Part B: 28 ± 1	
Specific gravity (kg/l):	Part A: 1.020 ± 0.030	10 gloss
	Part A: 0.990 ± 0.030	25, 40, 50 gloss
	Part B: 0.948 ± 0.030	
Viscosity (DIN 4 at 20°C):	Part A: 57" ± 5"	A + B: 30" ± 3"

**Substrate preparation**

With solvent -based stains (XM 7100/XX, XM 8000/XX series), possibly with added binder, or waterborne stains (AC 600/XX or AC 1400/XX).

**General characteristics**

Pot -life:	3 hours	
Recommended application weight (g/m <sup>2</sup> ):	Min. 80 - Max. 160 per coat	
Interval between coats:	Min. 60' - Max. 4 hours	
Number of coats:	Maximum 3	
Drying time (100 g/m <sup>2</sup> at 20°C):	Dust free	10'-15'
	Touch dry	20'-25'
	Stackable	2 hours
Forced drying (100 g/m <sup>2</sup> ):	Flash-off	10'
	Hot air at 50°C	40'
	Cooling	10'
Sanding:	Not recommended, especially with scotch-brite.	
Overcoating:	Wait at least 4 hours.	
Shelf-life:	If the product is properly stored, shelf-life is unlimited. After long periods of storage, always check homogeneity and stir well before use to eliminate any possible sediment.	

The TU 34\*\* series has been designed for use with profiles (picture frames, skirting boards and matchboards) and turned parts, where a good surface is often required with the application of just one coat of product. TU 34\*\* is a top-quality self-priming topcoat with great versatility of application. It has an extremely high solids content, a good pore filling capability on any timber, a pale colour and long pot -life. Unlike other products, it should be applied with high viscosity (24-30 seconds DIN 4) in order to exploit its high build to the full. It can be applied directly onto the stain without giving rise to problems of bubbles and with minimal lifting of the fibre.

**Special instructions**

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If it should prove necessary to apply two coats of the same product, the first coat does not require sanding because the self-priming topcoat adheres well even after many hours. In the case of profiles (picture frames, skirting board, etc.), sanding the first coat with scotch-brite can adversely affect adhesion of the second coat, because it tends to polish the matting agent contained in TU 34\*\*. Uneven surface matting is a risk on large flat surfaces, in which case we recommend contacting our technical department.

**Alternative hardener**

- TH 773 at 50% instead of TH 799 during the summer or in tropical areas.