

TECHNICAL DATA SHEET

supercedes previous issue dated 19/10/98

TU 54
CLEAR ACRYLIC BASECOAT

Area of use:	Flat and turned parts for open and closed pore systems.		
Method of use:	Spray gun and curtain coater.		
Mixing procedure:		by weight (kg)	by volume (l)
	Part A	TU 54 100	100
	Part B (hardener)	TH 790 10	10
	Thinner	DT 1150 20-30	20-30

Technical characteristics:

Solids content (%):	Part A: 27 ± 1 Part B: 36 ± 1
Specific gravity (kg/l):	Part A: 0.910 ± 0.030 Part B: 0.950 ± 0.030
Viscosity (DIN 4 at 20°C):	Part A: 37" ± 3" A + B: 35" ± 3"
Pot -life at 20°C:	12 hours
Recommended application weight (g/m ²):	Max. 130 per coat
Interval between coats:	Min. 50' - Max. 4 hours
Number of coats:	Max. 4
Drying time (100 g/m ² at 20°C):	Dust free 10' Touch dry 20' Stackable 4 hours
Forced drying (100 g/m ²):	Flash off 10' Hot air at 50°C 50' Cooling 10'
Sanding:	Wait at least 8 hours.
Overcoating:	Wait at least 8 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.

Substrate preparation

Thorough sanding and cleaning.

If necessary stain with XM 7100/XX or XM 8000/XX series solvent -based stains.

Bleached timbers can be used.

General characteristics

TU 54 is a completely colourless basecoat with good build and sandability. It does not change colour when exposed to sunlight and protect the wood from natural yellowing. This makes it the ideal basecoat for pale timbers such as ash, maple, oak and birch. Clearly the protective action will be less effective on conifer timbers (pine, spruce, larch, etc.), which are highly resinous and more susceptible to the yellowing effect of sunlight. TU 54 is also indispensable for coating surfaces bleached with hydrogen peroxide (or other chemical bleaching agents).

With TU 54 the time interval between application of bleaching agent and coating must be at least 48 hours.

TECHNICAL DATA SHEET

supersedes previous issue dated 19/10/98

TU 54

CLEAR ACRYLIC BASECOAT

To achieve closed pores, 3 or 4 coats can be applied with 20% TH 790 hardener. This ensures optimum through-hardening and improves sanding with belt sanders or scotch-brite. The following can be used as alternatives to TH 790:

- TH 765 at 10% if the substrate is not bleached and a film with anti-yellowing properties is not required.
- TH 2520 at 20% if the substrate is not bleached and slightly faster drying is required.

Special instructions

Like all anti-yellowing acrylic products, TU 54 must be applied at a temperature no lower than 18°C. At lower temperatures drying is not uniform and the film is liable to lose elasticity and become brittle.

TU 54 must not be applied over TU 250.

TU 54 must be overcoated using exclusively acrylic/polyurethane products (e.g. TZ 70**). If waterborne or water-thinned stains need to be used, check adhesion and elasticity of the complete system.