

## Technical Data Sheet

### TU0054/00 CLEAR ACRYLIC BASECOAT

Supersedes previous issue dated 04/18/11

DATE 05/24/12

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	TU0054/00	100	100
Part B (hardener)	TH0790/00	10	10
Thinner	DT1150/00	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/m²):	Max. 130 per coat	
Interval between coats:	Min. 50' - Max. 4 hours	
Number of coats:	Max. 4	
Drying time (100 g/m² at 20°C):	Dust free	10'
	Touch dry	20'
	Stackable	4 hours
Forced drying (100 g/m²):	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 (months):	36	
	After long periods of storage, always check homogeneity and stir well before use to eliminate any possible sediment.	

**N.B.:** DATA PROVIDED ON THIS TECHNICAL DATA SHEET CORRESPOND TO OUR BEST KNOWLEDGE AND EXPERIENCE. WE ASSURE CONSISTENCY ON THE CHEMICAL-PHYSICAL CHARACTERISTICS OF OUR PRODUCTS, WITHIN THE TOLERANCE LIMITS SPECIFIED ON OUR TECHNICAL DATA SHEETS. RESPONSIBILITY OF FINAL RESULT OF PRODUCT APPLICATION IS FULLY UP TO THE USERS, WHO SHALL MAKE SURE THAT THE PRODUCT CORRESPONDS TO THEIR OWN NEEDS WITH REGARD TO APPLICATION SYSTEM, TO SUBSTRATES USED AS WELL AS TO WORKING CONDITIONS.

**WARNING:** ACTUAL VISCOSITY OF SOME PIGMENTED AND/OR THIXOTROPIC PRODUCTS MAY DIFFER FROM THE VISCOSITY SHOWN ON THE TECHNICAL DATA SHEET. DIFFERENCES ARE TO BE REGARDED AS ACCEPTABLE IF WITHIN 30% MAXIMUM.

### Substrate preparation

Thorough sanding and cleaning.

If necessary stain with XM7100/XX or XM8000/XX series solvent-based stains.

Bleached timbers can be used.

### General characteristics

TU0054/00 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.

TU0054/00 is also indispensable for coating surfaces bleached with hydrogen peroxide (or other chemical bleaching agents).

With TU0054/00 the time interval between application of bleaching agent and coating must be at least 48 hours.

To achieve closed pores, 3 or 4 coats can be applied with 20% TH0790/00 hardener. This ensures optimum through-hardening and improves sanding with belt sanders or scotch-brite. The following can be used as an alternative to TH0790/00:

- TH2520/00 at 20% for slightly faster drying.

### Special instructions

Like all anti-yellowing acrylic products, TU0054/00 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.

TU0054/00 must not be applied over TU0250/00.

TU0054/00 must be overcoated using exclusively acrylic/polyurethane products (e.g. TZ70\*\*/00).

If waterborne or water-thinned stains need to be used, check adhesion and elasticity of the complete system.