

# TECHNICAL DATA SHEET

supersedes previous issue dated 30/06/04

**TZ 70\*\***
**CLEAR ACRYLIC TOPCOAT**

Versions:	5, 10, 15, 25, 40, 50 gloss, high-gloss		
Area of use:	Flat parts and turned parts		
Method of use:	Curtain coater, spray gun		
Mixing procedure:		by weight (kg)	by volume (l)
	Part A:	TZ 70**	100
	Part B (hardener):	TH 790	10
	Thinner:	DT 1150	15-30
			20-40

## Technical characteristics

Solids content (%):	30 ± 1		
Specific gravity (kg/l):	0.920 ± 0.030		
Viscosity (DIN 4 at 20°C):	Part A:	48" ± 3"	
	A+B:	35" ± 3"	

## Substrate preparation

With polyurethane-acrylic basecoat TU 54.

## General characteristics

Pot -life:	6 hours		
Recommended application weight (g/m <sup>2</sup> ):	Maximum 130		
Drying time (100 g/m <sup>2</sup> at 20°C):	Dust free	15'-20'	
	Touch dry	50'-60'	
	Stackable	8 hours	
Forced air drying: (100 g/m <sup>2</sup> ):	Flash-off	15'	
	Hot air at 50°C	50'	
	Cooling	15'	
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.		

TZ 70\*\* exhibits complete transparency and smoothness, a colourless film and is particularly suitable for applications that require high yellowing resistance.

For example:

- coating pale-coloured timbers (maple, birch, ash, etc.); coating timbers bleached with hydrogen peroxide or other oxidisers (to avoid the severe yellowing problems associated with normal polyurethane products applied on this type of substrate);
- coating white or pastel coloured substrates to protect them from yellowing.
- In the first two cases, a non-yellowing basecoat such as TU 54 must be applied before the topcoat

In open pore systems, TZ 70\*\* should be thinned down at 40-50% to promote flow into the pores. During summertime or in tropical areas, the use of a slower drying thinner (such as DT 1146) is suggested.

## Alternative hardener

- TH 765 at 10%; cheaper, poor light fastness, not suitable for bleached timbers.
- TH 790 at 20%; to increase film hardness; gloss level will be higher of approx. 5 gloss.