

supersedes previous issue dated 09/09/05

**TZ 86\*\*/00**

**CLEAR HIGH-BUILD POLYURETHANE TOPCOAT**

Versions:	10, 25, 40, 70 gloss, high-gloss.		
Area of use:	Flat parts, turned parts, fitted furniture		
Method of use:	Electrostatic, airmix and airless spray guns.		
Mixing procedure:		by weight (kg)	by volume (l)
	Part A	TZ 86**	100
	Part B (hardener)	TH 773	50
	Thinner	DT 1150	20-30
			25-40

**Technical characteristics:**

Solids content (%):	48 ± 2
Specific gravity (kg/l):	0.980 ± 0.030
Viscosity (DIN 4 at 20°C):	A + B: 28" ± 2"

**Substrate preparation**

With polyurethane or polyester basecoat.

**General characteristics**

Resistivity (Mohm/cm):	10		
Pot -life:	4 hours		
Recommended application weight (g/m <sup>2</sup> ):	Min. 80 - Max. 150		
Drying time (100 g/m <sup>2</sup> at 20°C):		<i>10 to 70 gloss</i>	<i>high-gloss</i>
	Dust free	10'	10'
	Touch dry	20'-30'	40'-50'
	Stackable	4 hours	8 hours
Forced drying:	Flash off	20'	30'
	Hot air - 50°C	40'	90'
	Cooling	20'	30'
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 86\*\*/00 is a topcoat designed for vertical application on flat parts. Hardener TH 773 should be used with matt or semi-gloss versions of TZ 86\*\*/00 (from 10 to 70 gloss inclusive), although alternative hardeners TH 711, TH 720, TH 755, TH 799 and TH 805 are also suitable.

The alternative hardeners can be used to optimise performance for special applications, in particular:

- to improve characteristics of wettability, thixotropy, drying, anti-yellowing properties, etc.
- to be able to use the same hardener for both basecoat and topcoat.

The alternative hardeners can be categorised as follows:

- better wettability: TH 711, TH 720, TH 755 and TH 805.
- faster drying: TH 799.
- lower cost: TH 805.
- better anti-yellowing properties: TH 720.

To obtain a film with good anti-yellowing properties and UV protection of the substrate, UV absorber XT 279 (4%) can be used in addition to hardener TH 720.

**Special instructions**

# TECHNICAL DATA SHEET

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To achieve a consistent gloss level, it is extremely important to stir Part A well before each application, preferably using a spatula. If light tinting of the topcoat is required, use XC 1900/XX stains.

In summer or in tropical areas use slow-drying thinner DT 1146.