

TECHNICAL DATA SHEET

supersedes previous issue dated 21/01/04

TZ 42**
CLEAR POLYURETHANE TOPCOAT

Versions:	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90 gloss		
Area of use:	Flat parts, doors, profiles, turned parts.		
Method of use:	Conventional and airless spray guns.		
Mixing procedure:		by weight (kg)	by volume (l)
	Part A	TZ 42**	100
	Part B (hardener)	TH 805	50
	Thinner	DT 1150	10-30
			15-40

Technical characteristics

Solids content (%):	48 ± 2
Specific gravity (kg/l):	0.968 ± 0.030
Viscosity (DIN 4 at 20°C):	Part A: 45" ± 5" A+B: 20" ± 3"

Substrate preparation

With a polyurethane or polyester basecoat.

General characteristics

Pot-life:	3 hours		
Recommended application weight (g/m ²):	Minimum 80, maximum 200.		
Drying time (100 g/m ² at 20°C):		10-50 gloss	60-90 gloss
	Dust free	10'-15'	15'
	Touch dry	30'-40'	40'
	Stackable	6 hours	12 hours
Forced air drying: (100 g/m ²):	Flash-off	15'	15'
	Hot air at 50°C	60'	80'
	Cooling	15'	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 42** is an extremely versatile matt topcoat for any kind of spray applications, including airmix, airless, oscillating spray guns and fixed spray guns for profiles. It is suitable for both horizontal and vertical application. Its high solids content makes it more suitable for conventional or forced air drying with drying times of at least 2 hours, and less suitable for very short tunnel drying.

TZ 42** always gives surfaces with uniform matting, smoothness and good surface hardness.

Special instructions

To obtain a uniform gloss level, it is extremely important to stir Part A well before each application, preferably using a spatula. If the topcoat requires slight colouring, use XC 1900/XX tinting stains. In summer or in tropical areas use slow-drying thinner DT 1146 at 30-50%.

Alternative Hardeners

- TH 711 at 50% - improved wettability, higher hardness.
- TH 755 at 50% - excellent wettability even during hot weather, slower drying