

## Technical Data Sheet

### TL0345/00 CLEAR HIGH GLOSS POLYURETHANE TOPCOAT

*Supersedes previous issue dated 21/10/96*

DATE 09/09/97

Area of use:	Flat parts, picture frames, fitted furniture.		
Method of use:	Conventional and airless spray guns; curtain coater.		
Mixing procedure:		by weight (kg)	by volume (l)
	Part A	TL0345/00 100	100
	Part B (hardener)	TH0738/00 50-100	50-100
	Thinner	DT0424/00 20-40	20-40

### Technical characteristics:

Solids content (%):	Part A:	55 ± 1
	Part B:	39 ± 1
Specific gravity (kg/l):	Part A:	0.991 ± 0.030
	Part B:	1.003 ± 0.030
Viscosity (DIN 4 at 20°C):	Part A:	50" ± 5"
	A + B (50%):	22" ± 3"
Pot-life at 20°C:	4 hours	
Recommended application weight (g/m²):	Min. 80 - Max. 200	
Drying times (100 g/m² at 20°C):	Dust free	10'-15'
	Touch dry	60'-70'
	Stackable	15 hours

**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.

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 R.E.A. n. 313180 - Cap. Soc. Euro 2.626.182 I.V. - Codice Mecc. Bo 014531

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Forced drying:	Hot air at 30-50°C hours	2
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

Preferably with clear polyester basecoats, which have a lower tendency to lift than polyurethane basecoats.

### General characteristics

TL0345/00 is quicker drying and has a harder surface than other gloss topcoats.

TL0345/00 is therefore suitable for situations requiring good scratch resistance (e.g. tabletops) or fast drying (picture frames, panels, etc.) along with the option of buffing and polishing.

As shown in the characteristics above, TL0345/00 can be blended with TH0738/00 between 50% and 100%.

It is advisable to add 50% hardener and 40-50% thinner in very hot weather when polishing is not required. Add 100% hardener and 20-30% thinner in winter and when buffing and polishing is required. Intermediate percentages can obviously be used.

### Special instructions

In winter make sure that the temperature of the coating and the environment is no lower than 18°C, otherwise hardening will be affected.

If TL0345/00 requires light tinting, use XC1900/XX stains.

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### Alternative hardeners

- TH0721/00 at 50-100% - higher gloss, better build, slower drying
- TH0735/00 at 50-100% - better non-yellowing properties
- TH0724/00 at 100% - faster drying at the expense of build
- TH0733/00 at 100% - hardest surface, high build

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