

Technical Data Sheet

TL0345/00

CLEAR HIGH GLOSS POLYURETHANE TOPCOAT

Supersedes previous issue dated 05.03.19

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Area of use:	Flat parts, picture frames, fitted furniture.
Method of use:	Conventional and airless spray guns; curtain coater.
Mixing procedure:	by weight (kg)
Part A	TL0345/00 100
Part B (hardener)	TH0738/00 75-100
Thinner	DT0424/00 20-40

Technical characteristics:

Solids content (%):	Part A:	60 ± 2
	Part B:	39 ± 1
Specific gravity (kg/l):	Part A:	1,012 ± 0.030
	Part B:	1.003 ± 0.030
Viscosity (DIN 8 at 20°C):	Part A:	18" ± 2"
	A + B (75%):	21" ± 2" DIN 4 at 20° C
Pot-life at 20°C:	4 hours	
Recommended application weight (g/m²):	Min. 140 - Max. 180	
Drying times (140 g/m² at 20°C):	Dust free	1 h
	Touch dry	2 h
	Stackable	24 hours
Forced drying:	Hot air at 30-50°C 2 hours	
Shelf-life (months):	36	
	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.

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Sherwin-Williams Italy S.r.l. – con unico socio
Via del Fiffo, 12 - 40065 Pianoro (BO) - Italia - C.P. 18
tel. +39 051 770 511 - fax +39 051 777 437
www.sayerlack.com
Cod. Fisc. e Reg. Impr. Bo 08866930152
P. IVA: IT 00494251200 - R.E.A. n. 313180
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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 75% and 100%.

It is advisable to add 75% 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.

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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