

Technical Data Sheet

TZ70**/00 CLEAR ACRYLIC TOPCOAT

Supersedes previous issue dated 06/07/12

DATE 08/30/12

Versions:	5, 10, 15, 25, 40, 50 gloss, 90 high-gloss
Area of use:	Flat parts and turned parts
Method of use:	Curtain coater, spray gun
Mixing procedure:	by weight (kg)
Part A:	TZ70**/00 100
Part B (hardener):	TH0790/00 10
Thinner:	DT1150/00 30-50

Technical characteristics

Solids content (%):	10, 25 gloss	30 ± 1
	5, 15, 40, 50 gloss	28 ± 1
	90 gloss	27 ± 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 acrylic basecoat TU0054/00.

General characteristics

Pot-life:	6 hours	
Recommended application weight (g/m ²):	Maximum 130	
Drying time (100 g/m ² at 20°C):	Dust free	15'-20'
	Touch dry	50'-60'
	Stackable	8 hours
Forced air drying: (100 g/m ²):	Flash-off	15'
	Hot air at 50°C	50'
	Cooling	15'
Shelf-life (months):	36	
	After long periods of storage, always check homogeneity and stir well before use to eliminate any possible sediment.	

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.

COMPANY WITH
MANAGEMENT SYSTEM
- UNI EN ISO 9001 -
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Company under the direction and coordination of The Sherwin-Williams Company, USA

TZ70**/00 exhibits complete transparency, and good build and smoothness. It is particularly suitable for applications that require high yellowing resistance.

For example:

- coating pale-coloured timbers (maple, birch, ash, fine-line, 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 TU0054/00 must be applied before the topcoat TZ70**/00.

In open pore systems, TZ70**/00 should be thinned down at 40-50% to promote flow into the pores.

TH0790/00 at 20% can be added in order to improve film hardness; this will also increase gloss level by 5%.

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