

# TECHNICAL DATA SHEET

**TZ70\*\*/00**
**CLEAR ACRYLIC POLYURETHANE TOPCOAT**
**TZ7005 Clear (5 Sheen)**  
**TZ7040 Clear (40 Sheen)**
**TZ7015 Clear (15 Sheen)**  
**TZ7090 Clear (90 Sheen)**
**TZ7025 Clear (25 Sheen)**

Versions	5, 15, 25, 40, 90		
Area of use:	Flat parts and turned parts		
Method of use:	Curtain coater, spray gun		
Mixing procedure:		<b>By Weight (kg)</b>	<b>By Volume</b>
	Part A	<b>TZ70**/00</b>	100
	Part B (Acrylic Hardener)	<b>TH0790/00</b>	10
	Or Part B (Acrylic Hardener)	<b>THL0791000</b>	10
	Thinner / Reducer Retarder	<b>DT Series*</b>	30-50
	<b>DT6K35000</b>	3-5	3-5

 (\*) **Fast** = DT7KB2900 **Medium** = DT6K18000 **Slow** = DT6K35000.

See Sayerlack Thinner Reduction Guide for additional blends and blending guidance

## Technical characteristics

Solids content (%):	As packaged	Weight Solids 28 ± 3 / Volume Solids 22 ± 2
Specific gravity (kg/l):	As packaged	0.0920 ± 0.030
Viscosity (Zahn #2 at 68°F)*:		A + B: 14 ± 3 seconds
Pot-life at 68°F:		6 hours
Recommended wet film thickness:		3.0 – 5.0 mils
Spread Rate:		353 sq. ft./gal @ 1.0 mil DFT, No loss
Drying time (at 68°F):	Dust Free	15-20 minutes
	Touch Dry	50-60 minutes
	Stackable	8 hours
Forced drying (at 3 mil WFT):	Flash off	15 minutes
	Hot air at 120°F	50 minutes
VOC (Theoretical as packaged, maximum):		5.65 lb./gal, 677 g/L (less exempt solvents)
VHAPS (Theoretical as packaged, maximum):		1.21 lb./lb. of solids
Shelf-life:	Part A: 36 months, unopened. Part B: 12 months, unopened. After long periods of storage, always check homogeneity and stir well before use to eliminate and possible sediment.	

\*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 considered acceptable if within 30%.

**TZ70\*\*/00 Clear Acrylic Polyurethane Topcoat** exhibits complete transparency, and good build and smoothness. It is particularly suitable for applications that require high yellowing resistance. Examples Include:

- Coating pale-colored timbers (maple, birch, ash, fine-line, etc.)
- Coating timbers bleached with hydrogen peroxide or other oxidizers
- Coating white- or pastel-colored substrates to protect them from yellowing.

# TECHNICAL DATA SHEET

**TZ70\*\*/00**

**CLEAR ACRYLIC POLYURETHANE TOPCOAT**

## **Substrate preparation**

Wood – New Work (interior only): Must be clean, dry and finish sanded. Substrate should be free of grease, oil, dirt, fingerprints and any contamination. Moisture content of wood should be 6-8%.

Previously finished wood (interior only): Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work

**Testing:** The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility, and performance prior to full scale application.

**Sealer:** A non-yellowing basecoat such as **TUL3986/00** Acrylic Polyurethane Basecoat Clear Sealer must be applied before the topcoat TZ70\*\*/00.

**Note:** 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 to improve film hardness; this will also increase gloss level by 5%.

## **FOR INDUSTRIAL SHOP APPLICATION ONLY**

**Thoroughly review product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.** To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit [www.paintdocs.com](http://www.paintdocs.com). Please direct any questions or comments to your local M.L. Campbell® Distribution Partner, M.L. Campbell® Sales Manager or contact our technical service line at 1-800-364-1359

**Note:** All purchases of products from Sherwin-Williams are exclusively subject to Sherwin-Williams' terms and conditions of sale which can be found at [www.sherwin.com](http://www.sherwin.com). Please review these terms and conditions prior to the purchase of the products. Sherwin-Williams warrants the product to be free of manufacturing defect in accordance with Sherwin-Williams' quality control procedures. Except for the preceding sentence, due to factors that are outside of Sherwin-Williams' control, including substrate selection, and customer handling, preparation, and application, Sherwin-Williams cannot make any other warranties related to the product or the performance of the product. **SHERWIN-WILLIAMS DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** Liability for products proven to be defectively manufactured will be limited solely to replacement of the defective product or the refund of the purchase price paid for the defective product, as determined by Sherwin-Williams. Under no circumstances shall Sherwin-Williams be liable for indirect, special, incidental or consequential damages, lost profits or punitive damages arising from any cause whatsoever.