



Product Description

TCI liquid industrial coating Urethane Topcoat is an aliphatic, acrylic designed for OEM and refinish applications. This product has excellent weathering resistance and gloss retention, and can be used in wet-on-wet applications over TCI liquid industrial coating 2K Epoxy Primer.

Advantages

- Excellent gloss and color retention
- Available in a full gloss range
- Available in custom colors
- Excellent performance over the AdvantaCoat 2K Epoxy Primer

Physical Properties/Specifications

Wt% Solids (mixed)	60 - 70
Vol% Solids (mixed)	55 - 57
Density, lb/gal (mixed)	8.6 – 11.2
Formulation Viscosity	21 - 37 sec. #2 Zahn
Recommended Mils	
• Wet	1.8 – 3.6
• Dry	1.0 – 2.0
Gloss (60 Degree)	15 – 100
Formula Flash Point, F	81
Material VOC #/Gal	3.50

Performance Test Results

Substrate	B-1000 CRS
DFT	1.2-1.8 mils
Pencil Hardness (ASTM D3363)	3H
Impact (D/R) (ASTM D2794)	160/160
Mandrel Bend (1/4") (ASTM D633)	Pass
Crosshatch Adhesion	5B

Performance Test Results (Cont'd)

Salt spray and humidity tested over AdvantaCoat 2K Epoxy Primer @ 1.5-2.0 mils DFT on B-1000 CRS

Salt Spray (ASTM B117)	750 Hours
• <1 mm scribe creep, no field blisters	
Humidity (ASTM D2247)	750 Hours
• No field blisters	

Application

Catalyst and Catalyst Ratio	4:1 by volume with SUH0-C000
Pot Life of Catalyzed Formula	2-3 Hours
Reducer and Amount	Up to 5% nButyl Acetate
Retarder and Amount	N/A
Air Dry Schedule	
• Through Dry	3.5 Hours
Oven Dry Schedule	20 min @ 140F
Recoat Instructions	Sand before recoat
Spreading Rate	900 sq. ft./gal

Settings

Conventional Spray Air	50-60 PSI
Conventional Spray Fluid	10-20 PSI
Air Assisted Airless Air	20-30 PSI
Air Assisted Airless Fluid	500-1000 PSI
Airless Fluid	1000-2000 PSI
High-Volume Low-Pressure Air	20-30 PSI
High Volume Low Pressure Fluid	10-14 fl. oz./min

Storage

- Do Not Store above 100°F or Below 50°F.
- Adverse temperature can affect storage life.
- Keep containers closed all times.



Additional Information

- Clean up using n- butyl acetate, aromatics or ketones.
- Maximum Cure (Ambient Conditions) achieved after 7 days
- Refer to SDS for proper Personal Protection Equipment and Safety measures.
- Check Local and State regulations for VOC, HAPS and any other environmental regulations.
- Pretest each system on your substrate (under normal line conditions) to verify performance.
- DO NOT exceed Total Dry Film Thickness Recommendation.
- Agitate and mix thoroughly before each use.
- Agitate gently during use.
- Extreme temperature and humidity conditions can adversely impact dry times and cure.
- Always use stainless steel equipment when using Acid Catalyst or WB or UV Products
- Do Not Freeze
- Exterior Use
- Freeze Thaw Stable
- In Catalyzed Products/ Do NOT adjust catalyst or amounts without consulting your local representative

Chemist Todd Peterson, Senior Chemist

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The data on this sheet are calculated values (as formulated) and will not represent exact values for every product. SOS and CPDS sheets are available upon request. Drying times and viscosities reported are as tested under laboratory conditions (77°F {25°C) with relative humidity of approximately 45%. Changes in temperature and humidity will affect product data. The following definitions are being utilized for HAP content: "HAPS-Compliant": < or = .8 lb. HAPS/lb. Solids; "low-HAPS" <,5 lb. HAPS/lb. Solids; "Ultra-low-HAPS" <2 lb. HAPS/lb. Solids; "HAPS Free": <.05 Lb. HAPS/Lb. Solids. HAP content is based upon the presence of HAP compounds utilizing limits as defined in 29 CFR 1910.1200. Manufacturer assumes no liability for use of this information which is intended to serve as a general guide.

It is the user's responsibility to verify product compliance with all applicable regulations or permits before proceeding with use. Always pretest any finishing products to verify suitability to the desired use before proceeding with any application. Manufacturer makes no warranties, express or implied, including {but not limited to) warranties of merchantability and fitness for particular purposes. Manufacturer will not be liable for any incidental, consequential or special damages or losses derived, directly or indirectly, from or as a consequence of purchaser's use of this product.

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