



DECEMBER 2008

#1600C TORGLAZE

URETHANE; POLYURETHANE: MOISTURE CURE
SOLVENTBASE ALIPHATIC POLYETHER, GLOSS

DESCRIPTION: #1600C TORGLAZE is an oil-free, one component aliphatic, moisture curing polyurethane resin. #1600C TORGLAZE provides a non-yellowing tough, hard coating. It is a superior single component aliphatic coating that outperforms many two-component products currently available.

BENEFITS:

- A clear finish that preserves the substrate's natural appearance
- Ease of application that assures quick, smooth finishes
- Excellent gloss retention for easy maintenance
- Stain resistance for longer lasting coats
- Superior impact resistance for durability
- Chemical resistance for durability
- Single component for no mixing and metering
- Fast drying for efficient application time
- Longer open time to help eliminate bubbles on application and cure in high humidity, high temperature environments

STORAGE & HANDLING: #1600C TORGLAZE is a moisture cure, NCO terminated material; as such, any opened container that is exposed to moisture will gel and/or become solid. If moisture is introduced, use the product immediately. Any container, once opened, should be resealed with a nitrogen blanket. #1600C TORGLAZE should be applied at temperatures greater than 50°F. The higher the humidity and the temperature, the faster #1600C TORGLAZE will cure. Under normal conditions of 60°F and 90°F and relative humidity above 35%, coatings made from #1600C TORGLAZE can be walked on in 5-12 hours. #1600C TORGLAZE can be recoated when tack free to foil in 3-10 hours after application. A good quality brush or mohair roller, kept well filled will insure an even coat. All finish coats should be applied within 24 hours. #1600C TORGLAZE HAS A SHELF LIFE OF 6 MONTHS.

TECHNICAL DATA:

TECHNICAL PROPERTIES	
% Solids	40 ± 1
Viscosity (@ 25°C)	60 - 125 cps
% NCO	2.5 - 3.1
Weight/Gallon	8.01 lbs. ± 0.10
VOC Rating (lbs/gallon)	4.81 ± .06
VOC Rating (gms/liter)	576 ± 8
Color	Gardner 1 MAX
Solvent System	Xylol
Flash Point	81°F

PHYSICAL PROPERTIES	
Elongation ²	85%
Hardness (Sward)	38
CS10 Wheel ¹	18 mg
CS17 Wheel ¹	28 mg
Gloss @ 60°	88
Tensile Strength ²	5,000 psi
Impact Resistance (direct)	160 inch pounds
Impact Resistance (indirect)	160 inch pounds

DRY TIMES:

Set to touch ³	5 - 20 min.
Surface dry ³	60 - 90 min.
Hard dry ³	3 - 6 hours

CAUTION: #1600C TORGLAZE contains flammable liquids. KEEP AWAY FROM HEAT, SPARKS AND FIRE. Do not leave container open. Avoid prolonged or repeated breathing of vapor and/or repeated or prolonged contact of liquid with skin.

ASTM TEST METHODS

% Solids - D-2369	Hardness - D-2134
Viscosity - D-2196	Tensile - D-412
Abrasion - D-4060	Wt./Gallon - D-1475
Elongation - D-412	VOC Properties D-3960

¹Taber Abrasion Weight Loss 1000 gram load/1000 cycles

²Instron tester; films pulled at 2 inches per minute

³Air dry 3 mil wet film, 40% TNV, 50% R.H 72°F