

**S-AR38 TORGLAZE**

URETHANE; POLYURETHANE: MOISTURE CURE
 SOLVENTBASE AROMATIC POLYETHER, SATIN

DESCRIPTION: **S-AR38 TORGLAZE** is an oil-free, one component aromatic, moisture curing polyurethane resin. **S-AR38 TORGLAZE** provides a tough, hard coating. It is a superior single component aromatic coating that outperforms many two-component products currently available.

- BENEFITS:**
- Satin finish
 - 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: **S-AR38 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. **S-AR38 TORGLAZE** should be applied at temperatures greater than 50°F. The higher the humidity and the temperature, the faster **S-AR38 TORGLAZE** will cure. Under normal conditions of 60°F and 90°F and relative humidity above 35%, coatings made from **S-AR38 TORGLAZE** can be walked on in 5-12 hours. **S-AR38 TORGLAZE** can be buffed and 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. **S-AR38 TORGLAZE HAS A SHELF LIFE OF 6 MONTHS.**

TECHNICAL DATA:**TECHNICAL PROPERTIES**

% Solids	35.5 - 38.0
Viscosity (@ 25°C)	70 - 130 cps
% NCO	2.0 - 2.4%
Weight/Gallon	8.0 lbs.
VOC Rating (lbs/gallon)	4.86 ± .06
VOC Rating (gms/liter)	607 ± 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°	60 +/- 5
Tensile Strength ²	5,000 psi
Impact Resistance (direct)	160 inch pounds
Impact Resistance (indirect)	140 inch pounds

DRY TIMES:

Set to touch ³	20 - 40 min.
Surface dry ³	30 - 60 min.
Hard dry ³	3 - 6 hours

CAUTION: **S-AR38 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

⁴Gloss Reading - 3 Mil @ 60 degree angle