

TRIANGLE INDUSTRIAL**Trilon S™****High Solids Acrylic Urethane Topcoat****Specifications****DESCRIPTION:**

Trilon S is a semi-high solids, 2-part acrylic urethane topcoat. **Trilon S** cures to a tough, abrasion resistant, high gloss film that resists most chemicals and exhibits extreme gloss and color retention properties. When applied over a high performance primer, **Trilon S** provides a finish that meets or exceeds most OEM specifications.

USE:

Trilon S was designed as a fast dry, extreme performance, urethane topcoat. It is an excellent choice as a topcoat for heavy construction equipment, off-road vehicles, truck refinishing, and light rail applications. **Trilon S** is used for exterior applications that require very minimal gloss and color loss after 10 year exterior Florida exposure.

ADVANTAGES:

- Very long term gloss and color retention
- 90+ gloss
- Excellent DOI
- Excellent protection against chemicals and weathering
- Very good impact resistance - 180 in lb forward and reverse
- Very good abrasion resistance
- Excellent flexibility and chip resistance
- Pencil hardness 3H+
- Meets or exceeds OEM topcoat specifications

LIMITATIONS:

- Not recommended for immersion into gasoline, diesel, hydraulic fluids or solvents
- Spray application only
- Requires epoxy primer for long term salt spray resistance

Properties

VOC: [as packaged] 250 g/l – (2.1 lbs/gal)

FLASH POINT: [setaflash]..... >80° F

APPEARANCE:

Gloss (G) @ 60° 90

@ 20° 80-85

WEIGHT PER GALLON: [average] 8-10 lbs

PACKAGE VISCOSITY: [#3 Zahn] 25 sec

SOLIDS: [average]

By Weight 67 ± 10%

By Volume 49 ± 10%

COVERAGE: [average]

Theoretical at 1.5 mils DFT 524 sq ft/gal

Required Minimum DFT 1.5 mils

DRY SCHEDULE: [at 50% RH and 1.5 mils DFT]

	45° F	60° F	75° F	90° F
Dry to Touch	2 hrs	60 mins	45 mins	25 mins
Handle/Recoat	16 hrs	8 hrs	2 hrs	60 mins
Full Cure	7 days	7 days	7 days	5 days

After 1 week, light sanding may be necessary if cured coating is subject to exterior exposure for extended periods.

COLOR AVAILABILITY:

Trilon S is available in factory stock colors. Triangle stocks safety and traditional implement colors. Many colors may be tinted, however, special costing will be applied.

ORDER CODE: 249 + gloss + color #

Individual products are identified by the product series number, followed by a gloss identifier and color number.

Ex: 249G632 is Trilon S, Gloss, Med. Gray ANSI 61

G = gloss

S = semi-gloss

M = matte

F = flat

PACKAGING:

Four 1 gallon cans per case

5 gallon pails

55 gallon drums

250 gallon totes

Trilon S™

High Solids Acrylic Urethane Topcoat

Application Data

SURFACE PREPARATION:

- Surfaces to be coated must be clean, dry, and free of oil, grease, dust, flaky rust, mill scale, and other foreign matter that could interfere with adhesion.
- Recommended surface preparation includes iron phosphate, zinc phosphate, and surface blasting that removes all mill scale.
- The use of Triangle primers is recommended for long term corrosion protection.
- Wood and galvanized must be primed

RECOMMENDED PRIMERS:

- **956P TriBond S**
- **955P TriPrime S** (do not apply to galvanized or zinc surfaces)

Consult your Triangle Coatings representative for water based primer recommendations.

APPLICATION:

Trilon S is best applied with HVLP, air assisted airless, or airless. Trilon S is a 2-part urethane, and requires both parts be mixed together to initiate cure.

Ratio: [base:hardener]
 By Weight.....
 By Volume..... 7:1

Pot Life: [valid for quantities of 1 gallon or more]

50°F	65° F	75°F	85° F	95° F
12 hrs	6 hrs	3 hrs	2 hrs	1 hr

HVLP:

Fluid Tip and Needle030” – .040”
 Fluid Pressure 10 - 15 psi
 Air Cap Pressure 60 psi

Air Assist Airless:

Fluid Tip012” - .013”
 Fluid Pressure 900 - 1,400 psi
 Air Cap Pressure 10 psi

Airless:

Fluid Tip013” - .015”
 Fluid Pressure 2,000 - 2,500 psi

THINNING:none

CLEANUP: solvent

Health & Safety

WARNING:

FLAMMABLE LIQUID AND VAPOR. May be harmful if swallowed or inhaled. Vapor may affect the brain or nervous system causing dizziness, headache or nausea and can cause nose and throat irritation. Keep away from sparks, heat or open flame. Use with adequate ventilation. Avoid breathing of vapor. Avoid contact with eyes, skin, and clothing. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates vapor levels are below applicable limits. Follow respirator manufacturer’s directions for use. Keep container closed when not in use. If spillage occurs, absorb and dispose of according to local regulations.

NOTICE:

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

FIRST AID:

Should eye contact occur, flush with plenty of water for at least 15 minutes and get medical attention if vision is disturbed. For skin, wash thoroughly with soap and water. If swallowed, seek medical attention immediately. DO NOT induce vomiting.

THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.

KEEP THIS PRODUCT OUT OF THE REACH OF CHILDREN.

Shipping & Handling

FLASH POINT: [T.C.C.]

Part A >80° F (35° C)
 Part B >80° F (35° C)

SHIPPING DESCRIPTION: [CFR 49]

Ground, Air, Vessel Paint, 3, UN1263, PG III
 Required Label..... FLAMMABLE LIQUID
 Required Marking..... PAINT UN1263

SMALL QUANTITY SHIPMENTS: ORM-D-PAINT

IMDG PACKAGING:

FLAMMABLE LIQUID, class 3.3, UN1263, III

IMDG STOWAGE: Category A

UNIFORM FIRE CODE: [CFR 29] CLASS I-C

STORAGE TEMPERATURE: 120° F max

SHELF LIFE: [warranted] 1 YEAR

HMIS RATINGS: H - 2; F - 3, R - 0; PP - H

WARRANTY: The statements made herein, on labels, product bulletins, or by any of Triangle Coatings', Inc. employees or agents concerning this product are given for general information only. Due to variables beyond Triangle's control in application, surface preparation, surface temperature, humidity and other variable factors Triangle assumes no liability for any claim that may arise out of the use of its products and disclaims any warranty expressed or implied relating to the storage, application, thinning, merchantability, Buyer's assumption of performance, and the fitness for a particular purpose. Receipt of products from Triangle or its agents constitutes acceptance of the terms of this warranty. In the event that Triangle finds that the product delivered is not of Triangle's standard quality, Triangle will at its sole discretion, either replace the product or refund the purchase price. Triangle's choice of one of these remedies shall be the Buyer's sole remedy. Triangle will under no circumstances be liable for consequential damages, except insofar as liability is mandated by law. Triangle will deliver products at agreed times insofar as it is reasonably able to do so, but it will not be liable for failure to deliver on time when the failure is beyond its reasonable control.