

Trilon 361™

Premium High Solids Acrylic Urethane; Air Dry or Force Dry

SELECTION DATA

DESCRIPTION:

Trilon 361 series is a high performance, high solids, two component, *air or forced dry* acrylic urethane topcoat. It has good gloss and color retention. **Trilon** cures to a tough, abrasion resistant film with high gloss and is resistant to dirt, stains, acids, alkali, solvents, and petroleum products. **361 series** is designed for ferrous and nonferrous surfaces and requires a properly prepared surface to provide the optimal performance characteristics. Acrylic urethanes require pretreated or primed surfaces; choice of primer based on required corrosion resistance requirement. Application is not recommended over mill scale. This product is intended for spray application, but where spray application is not possible, very limited brush application *may* provide acceptable results.

USE:

Formulated for OEM application. Typical applications include; miscellaneous metal parts and farm implement equipment.

ADVANTAGES:

- State of the art gloss, UV resistance, chalk resistance, gloss retention, flexibility and crack resistance.
- Excellent hardness, adhesion and chemical resistance on pretreated substrates. Test results follow.

LIMITATIONS:

- Not formulated for maintenance applications.

COLOR AVAILABILITY:

Trilon is stocked in white and a full base system in all gloss levels. Trilon is formulated to accept Morton V Line solvent borne "industrial" colorants. Virtually any color can be tinted.

ORDER CODE: 361 + gloss + color #
Individual products are identified by the product series number, followed by a gloss identifier (G=gloss, S=semigloss, M=matte) and ending in the color number For example, 361G700 is **Trilon** (361) gloss (G) White (700).

PACKAGING:

All products are full fill. Kits are available on request.

PHYSICAL PROPERTIES

VOC: [mixed 4:1] 2.8 lbs./gallon Matte
..... 3.5 lbs./gallon gloss)

APPEARANCE: [varies with allowable reduction and color]
Gloss (G) @ 60° 82 – 95
Semigloss (S) @ 60° 45 – 60
Matte (M) @ 60° 15 ± 2

WEIGHT PER GALLON: [mixed] 11.5 ± 1 lbs.

FLASH POINT: [mixed] [setaflash] 60° F.

PACKAGE VISCOSITY: [mixed] 65 – 90 KU

SOLIDS: [mixed @ 4:1]

By Weight 75 ± 1%

By Volume 65 ± 1%

COVERAGE:

Theoretical at 1 mil DFT 1042 sq.ft./gal.

Theoretical at 1.25 mils DFT 834 sq.ft./gal.

Required Minimum DFT 2 mils

[Spread rate is for unreduced catalyzed product and is dependant on surface texture to be painted and method of application.]

DRY SCHEDULE:

 [at 50% RH and 2 mils DFT]

	65° F.	75° F.	90° F.	194° F. ²
Tack Dry	1 hr	30 mins	15 mins	NA
Touch	8 hrs	4 hrs	3 hrs	NA
Handle	16 hrs	8 hrs	8 hrs	40 mins
Full Cure	30 hrs	24 hrs	16 hrs	40 mins
Recoat³	24 hrs	2 hrs	50 mins	40 mins

¹ Accelerated drying time available with Trilon 40-133 Promoter.

² Forced cured metal temperature.

³ Or after 24 hours which then requires sanding before recoating.

POT LIFE: 3 hrs. @ 77° F.

PHYSICAL RESISTANCE: *

Pencil Hardness 2H

Adhesion [over conversion coating] Excellent (10)

CHEMICAL RESISTANCE: *

[½ hour spot test and 1 hour recovery]

Pinesol Cleaner Dulling – passed

Clorox Formula 409 Passed

MEK [50 double rubs] Passed

* All tests are conducted after curing the product for 45 minutes at 190° F.; followed by 7 day air dry.

Continued 

TRIANGLE COATINGS, INC.

Tel: 510-895-8000

800-895-8000

Fax: 510-895-8800

www.tricoat.com

TRIANGLE™



Trilon 361™

Premium High Solids Acrylic Urethane; Air Dry or Force Dry

APPLICATION DATA

SURFACE PREPARATION AND PRIMERS:

All substrates must be **dry** and in sound condition. Remove oil, dust, loose rust, peeling paint or other contamination to ensure good adhesion.

Steel and Iron: Minimum surface preparation is to be power Tool Cleaning. On smooth metal, etching the surface is necessary. Where high performance and corrosion resistance is a requirement, Triangle's two part epoxy primers should be used.

Non-Ferrous Metal: Requires conversion coating or pretreatment.

Galvanized Metal: Solvent clean per SSPC-SP1. Apply on coat Triangle 283 Aquapoxy primer or two part solvent based wash primer. Allow paint to air dry 1 week before testing adhesion. If adhesion is poor, brushblasting is necessary to remove these treatments and prime with a 2 part epoxy. Rusty galvanizing requires a minimum of hand tool cleaning per SSPC-SP2 followed by a 2 part epoxy primer

Wood: Clean surface of all contaminates. Knots and pitch streaks should be scraped or burned, sanded and spot primed before first coat of **Trilon** is applied. For interior; use 291 Wood Undercoat. For exterior; 290 Alkyd Wood Primer.

Concrete & Masonry: Surface should be thoroughly clean and dry. Surface temperatures must be at least 55° F. before coating. Poured, troweled, or tilt up concrete, plaster mortar, etc. must be thoroughly cured for at least 30 days at 75° F. Form release compounds and curing membranes must be removed by brush blasting. Wash glazed areas and laitance with 10% muriatic acid solution and thoroughly rinse with water removing all salts. See Triangle representative for appropriate primer and filler.

Previously Coated: If in sound condition, clean the surface of all foreign material. Apply a test patch to assure compatibility to the previous coating. Spot prime bare areas. If previous paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface.

MIXING RATIO:

4 parts Trilon 361 with 1 part 61B.

RECOMMENDED THINNING: NONE

THINNER NOTE:

Do not use any wash thinners or thinners that might contain water for reducing this product.

APPLICATION METHOD:

This coating may be applied by conventional or airless spray application methods. Apply using crossing pattern. **For textured applications**, allow smooth coat to flash off for 20 minutes. Then apply second coat at lower atomizing pressure.

TIP SELECTION:

High Volume Low Pressure Air Assisted Airless:

Use fluid tip size011
Paint fluid pressure 1600 psi
Air pressure to gun 60 psi
Aircap pressure 10 psi maximum

Conventional Air Spray:

Use fluid tip size040
Paint fluid pressure 10 – 15 psi
Aircap pressure 65 – 75 psi

High Volume Low Pressure Conventional Air:

Use fluid tip size040
Paint fluid pressure 10 – 15 psi
Air pressure to gun 65 psi
Aircap pressure 10 psi maximum

Conventional Airless:

Use carbide fluid tip size011 – .013
Paint fluid pressure 1800 – 2200 psi.

Electrostatic Equipment:

Consult Triangle representative.

CLEANUP SOLVENT: Wash Lacquer Thinner

SAFETY AND HANDLING

FLASH POINT: [setaflash] 63 F. (17.2° C.)

SHIPPING DESCRIPTION: [CFR 49]

Ground/Air/Vessel: Paint, 3, UN1263, PG II

Required Label: FLAMMABLE LIQUID

Required Marking: PAINT UN1263

IMDG PACKAGING:

FLAMMABLE LIQUID, class 3.2, UN1263, II

IMDG STOWAGE: Category B

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

STORAGE TEMPERATURE: 120° F. max.

SHELF LIFE: [warranted] 1 Year

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

(10/01/02)

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.