249 SERIES

TRIANGLE OEM

Base Part A 249 Activator Part B 249B

Trilon S™

High Solids, Low VOC, Acrylic Urethane Topcoat

SPECIFICATIONS

DESCRIPTION:

Trilon S is the newest generation 2-part acrylic urethane topcoat utilizing cutting edge technology. **Trilon S** cures to a tough, abrasion resistant film that resists most chemicals. This product exhibits excellent gloss and color retention when exposed to extreme weather in exterior applications. When applied over a high performance primer, **Trilon S** meets or exceeds most OEM specifications for off road vehicles.

USE:

Trilon S is ideal for use on:

- shop finished architectural components
- · heavy construction equipment
- · off road vehicles
- farm implement equipment
- · other miscellaneous metal parts

Product results will vary by substrate and application method. It is the user's responsibility to determine the suitability and performance of this product for their application.

COLOR AVAILABILITY:

Trilon S is available in factory colors; refer to Triangle Industrial Products color card. Custom colors available; minimum order is required. Special costing will be applied.

ORDER CODE: [Mix Ratio: 4 Part A :1 Part B, by volume]

This product is available in:

Gloss G Semi-Gloss S Matte M

PACKAGING:

Part A:	Part B:
1 gallon cans	1 quart cans
5 gallon pails	1 gallon cans
55 gallon drums	5 gallon pails

KITS: This product may be packaged in kits, containing both PartA and Part B components. Kit containers may be partially filled to obtain total veild when mixed.

Total Yeild:	Part A:	Part B:
40 ounces	1 quart	1 half pint
1.25 gallons	1 gallon*	1 quart
5 gallons	4 gallon*	1 gallon*

*Southern California Air Quality Management District regulates this product only be purchased/used in quart sizes or smaller. Sizes larger than 1 quart may NOT be purchased for use as an Architectural or Maintenance coating in regions with these regulations.

ADVANTAGES:

- Low VOC
- · Very long term gloss and color retention
- Very high gloss
- · Excellent chemical and weather protection
- · Very good impact and abrasion resistance
- Excellent flexibility and chip resistance
- · Extremely durable
- · Meets or exceeds OEM topcoat specification
- LIMITATIONS:
 - Not recommended for immersion into gasoline, diesel, hydraulic fluids or solvents
 - · For long term salt spray resistance, epoxy primer required
 - Maximum RH at worksite: 75%

PROPERTIES

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

DRY SCHEDULE:			
	60° F	77° F	90° F
Dry to Touch	60 mins	45 mins	25 mins
Recoat	8 hrs	2 hrs	60 mins
Dry to Handle	8 hrs	2 hrs	60 mins
Full Cure		7 davs	7 davs
Critical Recoat W	indow: After of	ne week light s	anding may be
necessary if coatin	g is subject to e	extended exterio	or exposure.
VOC: [excluding exem	npt solvents, mixe	d] 2.00 lb	s/gal (242 g/l)
VOC: [including exem	pt solvents, mixed	1.31 lb	s/gal (154 g/l)
FLASH POINT: [se	aflash mixed]	7($5^{\circ} F (24.4^{\circ} C)$
WEIGHT PER GAL	ON: [mixed]	11.2 ± 0.5 lbc	(1.34 kg/litor)
APPLICATION VIS		TILZ I U.J IDS	
#2 Zahn Coord		fininended, mixe	uj 05.00
# 3 Zahn Second		••••••	
SOLIDS: [average, m	lixeaj		0.5 . 00/
% By Weight		•••••	$\dots 65 \pm 2\%$
% By Volume		•••••	$\dots 58 \pm 2\%$
COVERAGE: [avera	age, mixed]		
Theoretical at 1.			620 sq ft/gal
REQUIRED FILM	THICKNESS:		
ASTM D1005 Min	imum Dried Fil	m	1.5 mil (38µ)
ASTM D4414 Min	imum Wet Film	1	3.0 mil (76µ)
ASTM D523 GLOS	SS:		
@ 60°	_		
@ 20°			
ASTM D3363 PEN	CIL HARDNE	SS	
3H			Pass
ASTM D5402 MEK			
200 Double			Dass
ASTM D2794 IMP/			газэ
			Dees
160 inlb forward,			Pass
ASTM B117 SALT			
5% Salt Spray, 1			
ASTM D5894UV C	ORROSION	NEATHERIN	G: _
ASTM D610 Rus ASTM D714 Blis	sting 7 cyc	les, 150 hours	s Pass
ASTM D714 Blis	tering 7 cyc	les, 100 hours	s Pass
ASTM D4587/D523	3/D4214 QUV	UVA:	
500 hours @ 60°	••••••		10% loss
1000 hours @ 60)°		20% loss
ASTM D2247/D714	4 HUMIDITY F	RESISTANCE	:
400 hours [unscrit	oed]		Pass
ASTM D4585 MOI	STURE CONI	DENSATION:	
100° F, 400 hour	S		Pass
ASTM D3359 ADH	ESION:		
5B			Pass
ASTM D4060 ABR			
			< 10 mg
CS17 wheel, 110 ASTM D522 FLEX	IDILITY.	luau	< 10 mg
180° bend, 1/4" r			Dees
			Pass
ASTM D3170 CHI	RESISTANC	;E:	
Rating			N/A
ASTM D2485 DRY			
200° F			Pass
WET HEAT RESIS	TANCE:		
180° F Non-imm	ersion		Pass
ASTM D2243 WAT	ER-BORNE	REEZE THA	W:
3 cycles			
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			

Properties listed above correspond to formula for gloss, white product and may vary by gloss level and/or color. All tests conducted at 1.5-2.0 mils DFT on Bondrite ™ 1000 Q-steel panels, fully cured, 7 days, air dry, at 77° F and 50% RH.

TRIANGLE COATINGS, INC. Sales: 925-583-0800 www.tricoat.com



Trilon S[™] High Solids, Low VOC, Acrylic Urethane Topcoat

APPLICATION DATA

SURFACE PREPARATION:

All surfaces must be clean, dry, and free of contaminants. All dirt, grease, rust, mill scale, or loose chalky paint must be removed.

Recommended surface preparation includes:

- surface blasting to remove all mill scale (maximum profile: 0.5-1.0 mils)
- iron phosphate* (35-40 milligrams per square foot)
- zinc phosphate* (25-30 milligrams per square foot)
 *seal coat or DI final rinse recommended

APPLICABLE SUBSTRATES: [when properly prepared]

- ferrous or non ferrous
- primed galvanized
- primed aluminum
- concrete

RECOMMENDED PRIMERS:

• **956P TriBond S** - extreme corrosion resistant, epoxy Consult Triangle Coatings for other primer recommendations.

APPLICATION TEMPERATURE:

- Substrate must remain 10° F above the dew point during application and for 24 hours after application.
- Not recommended for substrate temperatures below 50° F or above 100° F.

MIXING PARAMETERS:

Ratio: [Part A : Part B]
By Weight [249G700]	
By Volume	

Sweat-in Time: none ASTM D2196 Pot Life: [valid for qtys of 1 gallon or more]

50° F	65° F	77° F	85° F
5 hrs	4 hrs	4 hrs	3 hrs

APPLICATION METHODS:

Trilon S can be applied by HVLP, air assist airless, or airless spray. For **electrostatic applications**, please contact your Triangle Coatings representative.

HVLP:

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Fluid Tip and Needle:	
Fluid Pressure:	10-15 psi
Air Cap Pressure:	
Air Assist Airless:	
Fluid Tip:	
Fluid Pressure:	
Air Cap Pressure	
Airless:	
Fluid Tip:	
Fluid Pressure:	2,000-2,500 psi
Brush or Roller:	
THINNING:	AT75
CLEANUP:	AT75; acetone
Clean tools while Trilon S is still we	et.

HEALTH & SAFETY PRECAUTIONS

WARNING:

FLAMMABLE LIQUID AND VAPOR. DO NOT INGEST. 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. Liquid contact with eye and skin causes irritation. Keep away from sparks, heat, or open flame. Use with adequate ventilation. Avoid breathing of vapor. Avoid contact with eyes and skin. Wash hands thoroughly after using and before eating and smoking. Wear an appropriately fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates vapor levels are below applicable limits. Keep container closed when not in use. If spillage occurs, absorb and dispose of according to local regulations.

Contains:

aromatic hydrocarbon mixture, CAS#64742-95-6 bis 1,2,2,6,6-pentamethyl-4-piperdinyl, CAS#41556-26-7 4-chlorobenzotrifluoride, CAS#98-56-6 homopolymer of HDI, CAS#28182-81-2 n-butyl acetate, CAS#123-86-4 propylene glycol methyl ether acetate, CAS#108-65-6 polyol xylene, CAS#1330-20-7

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.

NOTICE:

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. This product does not contains materials listed in California Proposition 65.

THIS PRODUCT FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

SHIPPING & HANDLING

SHIPPING DESCRIPTION: [CF	R 49]
Ground, Air, Vessel	Paint, 3, UN1263, PG III
Required Label	FLAMMABLE LIQUID
Required Marking	PAINT UN1263
IMDG PACKAGING:	
FLAMMABLE LIQUID, o	class 3.3, UN1263, III
IMDG STOWAGE:	Category A
UNIFORM FIRE CODE: [CFR 2	9] CLĂSŚ II
STORAGE TEMPERATURE:	
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 nisofar as liability is mandated by law. Triangle will deliver products at greed 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.

Product Data Sheets are periodically updated to reflect new information relating to the product. It is important to obtain the most recent Product Data Sheet for the product being used before application. OEM249-10/13-007 TRIANGLE COATINGS, INC. 4763 Bennett Drive, Livermore, CA 94551-4804 • Tel: 925-583-0800 • Fax: 925-583-0880 • www.tricoat.com