TECHNICAL **DATA SHEET**

**This Technical Data Sheet supersedes those previously issued.*

DESCRIPTION

TriFLEX™ is a triple resin technology DTM coating system that combines polyurethane and polyaspartic resins modified with a proprietary polymer resin blend to deliver exceptional weathering, color and gloss retention, and mechanical performance.

TECHNICAL DATA



Color	Grey, Black, or White
Type	High Solids DTM
Solids Content	84%
Finish	Gloss
VOC's	162.5 g/L

SUBSTRATE & SURFACE PREPARATION

General	Clean to remove all contaminants in accordance with SSPC-SP-1. Substrate must be clean and dry
Steel Substrate	Abrasive blast clean to a minimum NACE No. 3/SSPC-SP 6 with a minimum of 2.0 (51 microns) anchor profile that is sharp and angular for maximum adhesion

MIXING & THINNING

Mixing	All coating kits are supplied at the proper mix ratio and should be mixed in their entirety. Mix Part A resin for approximately 2-3 minutes until color and consistency is uniform. Mix Part B catalyst until thoroughly homogenous. Slowly and Part B catalyst to Part A and mix thoroughly for approximately 2 minutes
Ratio 4:1	One Gallon Kit Part A: 0.8 Gallons I Part B: 0.2 Gallons Five Gallon Kit Part A: 4.0 Gallons I Part B: 1.0 Gallons
Thinning	MEK, MAK, or n-butyl acetate, up to 5%. (Only thin if fingering occurs. Slowly increase thinner as needed)
Pot Life	1 hour at 77ºF (25ºC)

APPLICATION GUIDELINES

Equipment Type	Coating should be applied via airless spray equipment pump size 45:1 or greater or by PC equipment at a 4:1 mix ratio ***Contact APC Technical Service for additional information***
Dry Film Thickness	Steel: 6-8 mils DFT (+/- 2 mils)
Theoretical Coverage	at 1 mil: 1345 sq ft / gallon (25 micons) ***Allow for loss in mixing and application***
Dry to Touch	2 hours at ambient
Full Cure	4 days at ambient or 1 hour at 130ºF

APPLICATION CONDITIONS

Material	55ºF (13ºC) – 90ºF (32ºC)
Surface	50ºF (16ºC) – 100ºF (38ºC)
Humidity	10% – 90%

CLEAN-UP & SAFETY

Clean-up	TriFLEX™ can be cleaned up with MEK, MAK, n-butyl acetate, or acetone. Note: TriFLEX™ can potentially gel up if not properly cleaned. This can be avoided by ensuring equipment is properly cleaned after each use and **keeping Part B tightly sealed and the hopper empty or tightly sealed after each use.**
Safety	Consult SDS

PACKAGING, HANDLING & STORAGE

Shelf Life	12 months	
	40 – 110ºF I 0 – 100% RH	***Keep Part B sealed tightly. If opened reseal completely.***

APC TriFLEX™ GENERAL WARRANTY STATEMENT

The information provided by Advanced Polymer Coatings, Inc. (APC) for the application or repair of APC TriFLEX™ coatings is based upon protective coating industry standards and knowledge gained through observation of professional applicators throughout the world that have successfully applied APC coatings. APC does not exercise any control over selection of the applicator that applies or repairs APC coatings. By providing information APC is not representing, directly or by implication, that an applicator that is provided with this information will achieve a result that will pass without objection in the trade or industry, otherwise referred to as MERCHANTABILITY, or will meet the asset owner's protective coating requirements, otherwise referred to as FITNESS FOR A PARTICULAR PURPOSE. The only warranty provided by APC through its information and literature is that all APC products when delivered will have been manufactured in accordance with APC's manufacturing procedures, will be accurately labeled, and when mixed, applied and cured in a controlled environment in accordance with APC's current written application guidelines will withstand environmental corrosion as set forth in APC's reference guide. The reference guide and current application guidelines are available at www.adv-polymer.com. Any customer specific express warranty can only arise from a written warranty extended by APC to the specific customer identified in the writing. APC DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE THAT ARE CONTAINED IN ARTICLE 2 OF THE UNITED STATES UNIFORM COMMERCIAL CODE AND ANY SIMILAR WARRANTIES CONTAINED IN THE LAWS OF OTHER COUNTRIES WHERE APC PRODUCTS ARE DELIVERED OR APPLIED. ALL CONTRACTS FOR THE SALE OF APC PRODUCTS SHALL BE GOVERNED BY THE UNIFORM COMMERCIAL CODE WITHOUT REGARD TO ANY STATE VARIATIONS.