

# 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   Other colors available to minimum order
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 add Part B catalyst to Part A and mix thoroughly for approximately 2 minutes		
Ratio 4:1	One Gallon Kit	Part A: 0.8 Gallons	Part B: 0.2 Gallons
	Five Gallon Kit	Part A: 4.0 Gallons	Part B: 1.0 Gallons
Thinning	MEK, MAK, or n-butyl acetate, up to 5%. (Black may require additional thinning up to 10%)		
Pot Life	1 hour at 77°F (25°C)		

# 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 <b>*Contact APC Technical Service for additional information</b>
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Dry Film Thickness	Steel: 4 (minimum) - 8 mils DFT
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Theoretical Coverage	at 1 mil: 1345 sq ft / gallon (25 microns) <b>*Allow for loss in mixing and application</b>
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Dry to Touch	2 hours at 77°F / 25°C
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Full Cure	4 days at 77°F / 25°C or 1 hour at 130°F / 54°C
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# APPLICATION CONDITIONS

Material	55°F (13°C) – 90°F (32°C)
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Surface	50°F (10°C) – 100°F (38°C)
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Humidity	10% – 90%
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# CLEAN-UP & SAFETY

Clean-up	TriFLEX™ can be cleaned up with MEK, MAK, n-butyl acetate, or acetone.
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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
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# PACKAGING, HANDLING & STORAGE

Shelf Life	12 months
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40°F – 110°F / 4°C – 43°C   0-100% RH	<b>*Keep Part B sealed tightly. If opened reseal completely.</b>
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## APC TriFLEX™ GENERAL WARRANTY STATEMENT

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