

/// Built by Rail People, for Rail People.

TriFLEX®

TriFLEX®





3 IN 1

/// TRIPLE RESIN TECHNOLOGY

See what's inside

TriFLEX® is a one coat, triple hybrid resin technology direct-to-metal (DTM) exterior coating system that combines polyurethane and polyaspartic resins modified with a proprietary polymer resin blend to deliver exceptional weatherability, color and gloss retention, and mechanical performance.

RESIN 1: POLYURETHANE

Combining with a Polyurethane Resin, TriFLEX® gains improved chemical resistance, UV stability, and weather resistance, ensuring your rolling stock maintains its appearance for an extended period.

RESIN 2: POLYASPARTIC

TriFLEX®'s Poylaspartic Resin offers an industry-leading dry time, enabling substantial cost savings and getting you back in service faster.

RESIN 3: PROPRIETARY POLYMER BLEND

A unique blend of polymer resins completes the formulation, providing TriFLEX® with an advanced level of impact and corrosion resistance. This blend also enhances flexibility, ensuring your rail cars remain protected regardless of the climate they encounter.



UV Stability

Weatherability

Dry Time

Flexibility

Corrosion Resistance

Chemical Resistance

Return to Service

Impact Resistance

/// DESIGNED TO OUTPERFORM, BUILT TO LAST.

ISO 12944-6 C4 TESTING: THE GOLD STANDARD



TriFLEX® has demonstrated exceptional durability, passing the C4 Very High Regime 1 and C4 High tests, corresponding to an estimated 20-25 years of service life in a C4 environment.

TriFLEX® exhibited no blistering, cracking, flaking, or rusting during this demanding test, highlighting its outstanding performance.

Following the testing, TriFLEX® received the highest ISO 12944-6 rating among all available railcar exterior coatings.

This rating confirms TriFLEX®'s position as a top choice for railcar owners and lessors seeking a durable, long-lasting exterior coating solution.



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/// PERFORMANCE PROPERTIES

One coat, triple hybrid resin technology direct-to-metal (DTM) exterior coating system

Property	TriFLEX
Pot Life	1 hour at 77ºF (25ºC)
Sag	16 mil (400 microns)
Linear Dry Time	5 hours at 77ºF (25ºC)
Conversion	4 days at 77ºF (25ºC)
Direct & Reverse Impact (in-lb)	160 (ASTM D2794)
Adhesion (psi)	1,560 (ASTM D4541)
VOC (g/L)	Grey / White 152 g/L (1.27 lb/gal) Black 158 g/L (1.32 lb/gal)
% Solids by Volume	84%