

TWI-803™ DATA SHEET

SYNTHETIC RUBBER COATING & SEALING COMPOUND FOR ALUMINUM/STEEL/CONCRETE STORAGE TANKS, STEEL STRUCTURES/UNDERCARRIAGES, ETC.

(Conforms To and Exceeds: MIL-S-14231C)

TWI-803™ is a synthetic, elastomeric coating, specifically designed for coating the interiors and exteriors of:

- Metal and concrete tanks used for storing petroleum products, oils, gasoline, jet fuels, etc.;
- Metal and concrete water treatment/storage or sewage treatment facilities;
- Commercial truck & trailer undercarriages, wheel-wells, ramps, walkways, battery mounts, etc.

TWI-803™ may also be used as a sealing compound to guarantee the seam integrity of riveted storage tanks.

TWI-803™ cures at room temperature to a firm, resilient rubber coating, possessing outstanding resistance to corrosion caused by weather, electrolysis, aging, water, salt exposure, all petroleum products, etc.

TWI-803™ has excellent adhesion properties to steel, aluminum, concrete, wood and most construction materials.

TWI-803™ possesses excellent resilience and tensile characteristics over a wide temperature range.

TWI-803™ may be applied directly to surfaces, without the use of a primer.

TWI-803™ will not peel or crack or degrade, even after years of exposure to harsh environments.

SURFACE PREPARATION

All surfaces to be coated or sealed with **TWI-803™** should be dry, clean, and free from all oil, grease, dirt, loose aggregate, and other contaminants.

MIXING INSTRUCTIONS

10 parts of **TWI-803™ Base Compound** is mixed with 1 part **TWI-803™ Curing Agent** (10:1 by weight), until completely uniform, and no traces of unmixed base compound or curing agent are visible.

APPLICATION

TWI-803™ may be applied using a brush or short napped paint roller. **Base Compound** may be thinned with Toluene prior to mixing for spray application.

TOOL & EQUIPMENT CLEANING

Equipment and tools for applying **TWI-803™** may be cleaned using Methyl Ethyl Ketone (M.E.K.), Toluene or chlorinated solvent, immediately after use or before material cures.

PACKAGING

TWI-803™ is packaged in 1-gallon cans, 5-gallon pails and 55-gallon drums. Custom packaging is available.

Caution: Contains flammable mixture.

Do not use near extreme heat or open flame.

PHYSICAL PROPERTIES

APPLICATION

Base Compound Color	Black
Curing Agent Color	Yellow
Mixing Ratio	10:1 (Base Compound to Curing Agent by weight)
Dry Film Thickness (DFT)	10-mil
Coverage	110-120 ft ² /gallon
Solid Content	94%
Consistency	Brushable
Usable "Pot" Life	@ 2 Hours at 75°F/50% RH
Tack Free Time	@ 20 Hours at 75°F/50% RH
Cure Time	@ 72 Hours at 75°F/50% RH

PERFORMANCE

Color	Black
Hardness	45 Shore A
Peel Adhesion	35 lbs./inch (Before 100% Cohesive Break)
Tensile Strength	275 p.s.i.
Elongation	500%
High Temperature Resistance	+275°F
Low Temperature Flexibility	-65°F
Resistance to Prolonged Exposure	Excellent (Gasoline, Petroleum Products, Jet Fuels, etc. = no deterioration or fuel contamination)
Resistance to Weather, Aging, Water, Salt Water	Excellent

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