



MEYERCLAD™

Our Reputation for Innovation is
Deeper Than Ever

MeyerClad™ Offers
Superior Protection Against

- **Abrasion**
- **UV Exposure**
- **Chemicals**
- **Soil Acidity**
- **Stray Currents**
- **Water**

**We Engineer Innovation
Into Our Solutions
Above and Below Grade**

MeyerClad™ is an industrial abrasion-resistant spray coating designed for use on critical surfaces requiring hardness up to 70 Shore D. It also provides excellent chemical and moisture resistance. It is a two-component 100% solids, no VOCs specialized polyurea hybrid formulation delivering excellent adhesion and optimal curing in very cold or hot climates. It may be used directly on clean primed metals and other materials.

Solvents in any protective coating can evaporate to the atmosphere leaving fisheyes and pinholes in the coating. These small openings can potentially allow moisture and other contaminants to reach the substrate (i.e. the galvanized surface). MeyerClad™ has been tested relative to previous polyurethane coatings and results show significantly less solvents (Volatile Organic Compounds or “VOCs”). In fact, the VOC content is less than 0.01% which defines MeyerClad™ as 100% solids content.

MeyerClad™ is a dielectric (non-conductive) product, so there is no potential reaction with the earth's elements. Due to its dielectric properties, it performs equally as well to resist all forms of corrosive elements that may be present underground. MeyerClad™ is non-sacrificial and serves to insulate the tubular steel pole from corrosive elements including salt water and salt spray, and the 100% solids characteristic helps to ensure a complete barrier is formed for protection.

Coatings previous to MeyerClad™ were entirely made from polyurethane and the natural chemical properties of polyurethane make it an excellent barrier coating for underground use. However, polyurethanes are aromatic compounds and their natural chemical properties have a more narrow application window. Simply put, polyurethane coatings can be difficult to apply appropriately in varying environmental conditions. MeyerClad™ is a hybrid blend of 1/3 polyurethane and 2/3 polyurea. The introduction of the polyurea as part of the MeyerClad™ coating system widens this environmental application window significantly and allows the application of a more consistent coating. In addition, the polyurea component is an aliphatic compound that provides measurable UV resistance well beyond what previous polyurethane aromatic coatings have to offer. Accelerated UV aging tests over an extended period of time are ongoing to quantify the significance of the improvement in UV resistance.

Please contact us for specific substrate application procedures, equipment, safety gear and clean-up solvents. Refer to MSDS for material and safety standard procedures. MeyerClad™ is also available as a touch-up kit.

PROPERTY	DESCRIPTION	MeyerClad™	Previous Meyer Coatings	COMPARISON ¹
Application Temperatures	N/A	40°F to 150°F	40°F to 150°F	Equivalent
Initial Setting Time	@70°F/20°C	4 minutes	5 min (Fast Set), 60-90 min (Slow Set)	BETTER
Curing Time Before Handling	@70°F/20°C	8 minutes	10-20 min (Fast Set), 2-3 hrs (Slow Set)	BETTER
Ultimate Cure	@70°F/20°C	3-6 Days	5-7 days	BETTER
Recoat Time	@70°F/20°C	Up to 90 minutes	<45 min (Fast Set), 6-8 hrs (Slow Set)	BETTER
Solids Content	ASTM D-1259	100%	95-99% (Fast Set), 80% (Slow Set)	BETTER
Volatile Organic Compounds	ASTM D-2369	<0.01%	< 10-60 grams/litre	BETTER
Theoretical Coverage	N/A	1604 ft ² /US gal/mil	1590 ft ² /US gal/mil (Fast) 1280 ft ² /US gal/mil (Slow)	Equivalent
Adhesion to Steel	ASTM D-4541	Greater than 2000 psi	Greater than 1500 psi	BETTER
Hardness	ASTM D-2240 (Shore D)	70	70	Equivalent
Flexibility	ASTM D-522 (20 mils)	180° over 1" mandrel (25 mils)	180° over 3" mandrel (20 mils)	BETTER
Abrasion Resistance	Taber CS18, ASTM D-4060	22 mg/1k cycles	80 +/- 10mg loss	BETTER
Impact Resistance	ASTM D-2794	>350 in. lbs	40 - 60 in. lbs	BETTER

¹Compared to previous coatings from Meyer

²Average lab testing strength was 30% higher pull-off strength

The information provided herein is presented in good faith but is not intended to be used for contract specifications. Please contact your Trinity Meyer representative for more information.