

Overcoat procedure for XYLAN coated components



Introduction to XYLAN coatings

XYLAN® coatings help improve performance and extend the life of components. This trusted technology protects from corrosion, chemicals and abrasion, as well as provides low-friction properties to improve release compared to uncoated parts.

Xylan is a proven solution for use in many markets including Energy generation and Oil and Gas.

Unique benefits

- Controlled low friction
- Corrosion resistance
- Chemical resistance
- Wear and abrasion resistance
- Nonstick properties
- High temperature resistance

Overcoat Procedure

This procedure is written as a guide for overcoating of components coated with *Xylan* functional coatings used in Energy marketplace. Examples of such coatings include *Xylan* 1000 and 14xx series.

This procedure can also be used to provide added protection to *Xylan* coated components from UV light degradation.

Suggested markets

Energy generation

Oil & Gas

Suggested end uses

General components

Valves and actuators

Fasteners

Tubular goods

Tools



Overcoat procedure for XYLAN coated components



1. Surface preparation

- 1.1 If any rust or loose coating is present, mechanical cleaning should be performed using hand wire brush or 80-100 grit emery paper. If there is no rust or loose coating, move on to step 1.2.
- 1.2 Remove any dust or rust residue with isopropanol or alkaline degreaser using a lint free cloth.



2. Painting

- 2.1 Painting operation shall immediately follow the surface preparation step, but no more than 4 hours after step 1.
- 2.2 Painting shall not be performed if the substrate temperature is less than the surrounding air temperature, or relative humidity is greater than 85%, or if the air temperature is not greater than 5°F (3°C) above the dew point.
- 2.3 Apply repair paint in accordance with technical data sheet's recommendations.
- 2.4 Repair paint must be within manufacturer's shelf life.
- 2.5 Apply paint by brush, with good workmanship; there should be no runs, drips, or sags.



3. Paint system

- 3.1 PPG have tested compatibility with following systems
 - Pitthane Ultra / Sigmadur 550H
 - Amershield
 - Amerlock 400 / Sigmacover 400



4. Final inspection

- 4.1 Ensure the repair paint has dried within the manufactures recommended time.
- 4.2 Look for runs, drips, sags, or incomplete coverage.
- 4.3 Check adhesion with fingernail, the repair paint should not disbond.
- 4.4 If any of the above are not correct, the procedure must be started over from step 1.

			PPG PMC Products
1	Surface preparation	Emery / sand paper to create sufficient roughness	
2	Solvent Cleaning	Cleaning with isopropanol or alkaline degreaser.	
3	Repair Application		• Pitthane Ultra / Sigmadur 550H • Amershield • Amerlock 400 / Sigmacover 400
4	Application Methodology	Primer and topcoat can be applied by brush or spray	

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