



Dry-film lubricant coatings



Delivering corrosion resistance and low coefficients of friction for fasteners

Available in a range of formulations, PPG XYLAN® dry-film lubricant topcoats are ideally suited for fasteners used in energy, petrochemical and water treatment applications. Applied over pretreated or primed metal surfaces, these coating systems are available in both solvent- and water-based formulas, offering a unique combination of low coefficients of friction and resistance to abrasion, chemicals and extreme temperatures.

When applied over our proprietary PPG XYLAR® ceramic primers, the *Xylan* topcoats listed on the reverse side are rated for over 5,000 hours of salt spray corrosion performance. Specific formulations, coupled with other types of pretreatments or primers, allow for a full range of performance and temperature options.

Unique benefits

- Low coefficients of friction that reduce and improve the uniformity of make-up torque
- Outstanding corrosion and abrasion resistance
- Ability to specify systems ranging from 500 to over 5,000 hours of corrosion resistance
- Solventborne and waterborne options
- Compatible with zinc phosphate pretreatment, zinc or zinc-nickel plating, and *Xylan* primers
- Extreme temperature options

Suggested markets

General industrial fasteners

Protective and marine coatings





Performance Features and Properties	Test Standard	Xylan 1070 Coating ¹	Xylan 1400 Coating ¹	Xylan 1424 Coating ¹	Xylar Primer
Formulation	-	Solventborne	Solventborne	Waterborne	Ceramic
Corrosion Resistance with Zinc Phosphate with Zinc Plating with Zinc-Nickel Plating with Xylar Primer ²	ASTM B117	> 500 hours > 1,500 hours > 3,000 hours > 5,000 hours	> 1,500 hours > 2,500 hours > 4,000 hours > 5,000 hours	> 1,500 hours > 2,500 hours > 4,000 hours > 5,000 hours	N/A N/A N/A N/A
Coefficient of Friction³	ASTM G99	0.05 - 0.12	0.05-0.31	0.05 - 0.09	0.11 - 0.13
Working Temperature Range³	-	-319 - 500° F (-195 - 260° C)	-4 - 374° F (-20 - 190° C)	-58 - 347° F (-50 - 175° C)	-40 - 995° F (-40 - 535° C)
Dry-Film Thickness³	ASTM D1186	15 - 25 µm / 0.6-1.0 mils	15 - 25 µm / 0.6-1.0 mils	15 - 25 µm / 0.6-1.0 mils	15 - 30 µm / 0.6-1.2 mils
Adhesion³	ASTM D3359	>3B	>3B	>3B	>3B
Film Hardness³	ASTM D3363	2H - 4H	2H - 3H	2H - 3H	>3H
Impact³	ASTM D2794	Pass	Pass	Pass	N/A

¹ These Xylan products represent a typical range of options for fastener coatings. Please contact your PPG representative for additional options and information.

² Data based on 0% RR (Industry standard failure = 15% RR)

³ Tests were performed using grit-blasted carbon steel panels with a surface profile of 1.5-3.5 µm (Ra). For additional application information, please contact your PPG representative or refer to product data sheets. Always use a capable or PPG-recommended applicator.



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