

Lubrizol

PERFORMANCE COATINGS



ENABLING HIGH PERFORMANCE
DIRECT-TO-METAL AND
PRIMER COATINGS

ADDITIVES
FOR ADHESION
& CORROSION
INHIBITION





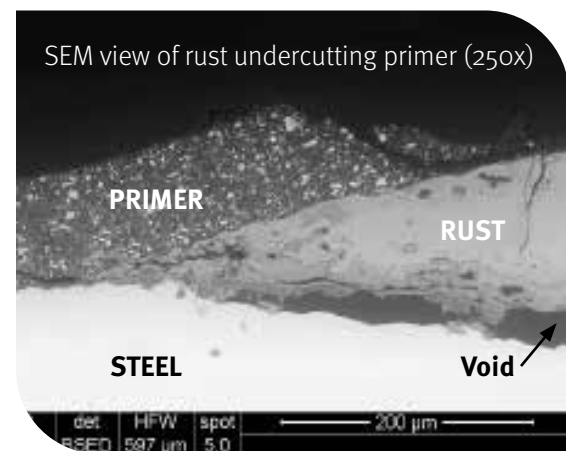
A RECOGNIZED LEADER IN CHEMISTRY FOR METAL PROTECTION

Lubrizol Performance Coatings is a recognized leader in chemistry for metal protection. We offer a broad portfolio of resins and additives for automotive and industrial finishes, from the pretreatment to refinish stages of the product life cycle. Drawing upon vast technical resources and decades of experience, Lubrizol is uniquely qualified to add value by developing products that are both innovative and responsive to customer needs.

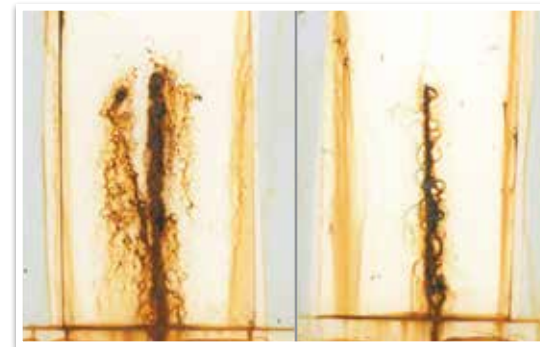
ADDITIVES FOR BETTER METAL PROTECTION

Lubrizol additives protect metal from corrosion and improve direct-to-metal adhesion, as well as intercoat adhesion. These additives are compatible in both water-borne and solvent-borne systems. They can be incorporated as a component in DTM coatings, primers or wash primer formulations. Proven in a variety of applications, particularly automotive and industrial metal finishes, Lubrizol corrosion inhibitors include:

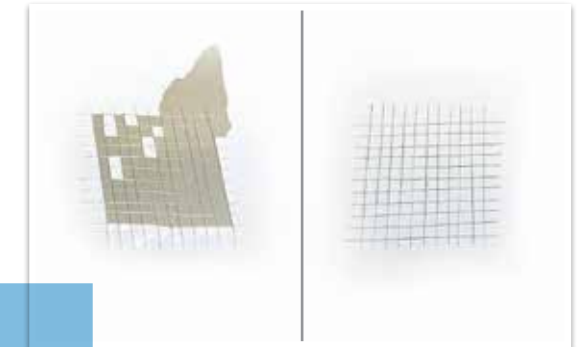
- **Lubrizol® 2061** improves adhesion to various metal substrates
- **Lubrizol® 2062H** improves adhesion to various metal substrates, passivates metal
- **Lubrizol® 2063** improves adhesion to various metal substrates as well as intercoat adhesion, passivates metal
- **Lubrizol® 2064** provides long-term corrosion resistance acid scavenger
- **Solplus™ AC100** provides flash rust protection in aqueous coatings while aiding in corrosion protection beyond the period for rust to form



The volume expansion of rust is approximately two to four times greater than the original metal. This volume expansion of the oxide causes the oxide layer to crack, allowing an influx of water and oxygen, yielding more rust.



Spray salt results showing the corrosion inhibition with a Lubrizol additive at right, and without at left.



Cross-hatch test results showing adhesion with a Lubrizol additive at right, and without at left.

LUBRIZOL ADDITIVES

Lubrizol corrosion inhibitors and adhesion promoters enable formulators to deliver the enhanced durability and longevity that OEM specifications require.

Benefits	Lubrizol® 2061	Lubrizol® 2062H	Lubrizol® 2063	Lubrizol® 2064	Solplus™ AC100
Enhances long-term corrosion resistance	•	•	•	•	•
Reduces flash rust	•	•	•	•	•
Improves metal coating adhesion	•	•	•		
May enhance adhesion to poorly prepared substrates	•	•	•		
Excellent for metal passivation		•			
Can be used to complement zinc phosphate, boosting effectiveness	•		•		
No adverse impact on storage stability	•	•	•	•	•
FDA-approved (21 CFR 175.260)			•		
Improves intercoat adhesion			•		

Compatibility	Lubrizol® 2061	Lubrizol® 2062H	Lubrizol® 2063	Lubrizol® 2064	Solplus™ AC100
Substrate	Cold rolled steel (CRS)	•	•	•	•
	Galvanized metal	•	•	•	•
	Aluminum		•	•	•
Chemistry	Water-borne systems		•	•	•
	Solvent-borne systems	•	•	•	•
	Thermoset alkyds	•	•	•	
	Acrylics	•	•	•	•
	Polyesters	•	•		
	Lacquers	•	•	•	
	Polyurethanes			•	
	Epoxies	•			
	Thermosetting polyesters			•	
Alkyds				•	

• Recommended

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WHAT WE ADD MAKES THE DIFFERENCE.™

Lubrizol is a market-driven innovator of specialty chemicals that solve today's challenges in the paints and coatings, printing and packaging, paper and textiles, plastics and composites and digital print markets. More than just a supplier, we are a collaborator with extensive experience in surface protection, dispersion, adhesion and barrier properties that enables us to enhance the performance, simplicity and sustainability benefits of our customers' products. With a commitment to collaboration, applied science and demonstrated value, our team of experts is dedicated to exceeding customer expectations for both the simplest and toughest requirements. Count on Lubrizol to make the difference.

The Lubrizol logo features the word "Lubrizol" in a bold, italicized, sans-serif font. A blue swoosh underline is positioned beneath the letters "i", "z", "i", and "o".

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