



# AMERLOCK® SERIES

Versatile Epoxy for the Toughest Applications



**PPG Protective &  
Marine Coatings**

Bringing innovation to the surface.™

# AMERLOCK® SERIES

High performance epoxy combining corrosion protection with minimal surface preparation

- *Amerlock 2* and *Amerlock 400* - tough coatings that seal and protect in one coat
- Self-priming – primer and topcoat in one – no downtime, less costly to apply
- Fast dry – *Amerlock 2* dries to the touch in just 2 hours. In certain temperatures 2 coats can be applied in the same day
- Multiple substrates – can be used on steel, concrete, galvanizing, zinc or even as a concrete floor coating
- Choice of almost any color – unlike competitive products that have limited color options
- Can be applied at low temperatures – applied down to freezing temperatures if the surface is free of ice
- Minimal surface preparation – can be applied over intact old paint and tight rust, convenient where blast cleaning is impossible or impractical
- Adheres to damp surfaces – allows for painting in less than perfect conditions
- Excellent edge retention – can be applied in thicknesses of up to 8 mils in one coat, a significant advantage for coating angular surfaces
- Single coat – a single 5 mil coat delivers better performance than competitors two or even three coat systems

- Dry temperature resistance to 450° when combined with AMERCOAT® 880 glass flake – offers high temperature protection for both insulated and uninsulated surfaces

*Amerlock* is the high-solids, high-build epoxy protective coating that has revolutionized painting in tough industrial, marine and offshore environments around the world. *Amerlock* Series coatings are especially formulated to solve complex corrosion problems—with minimal surface preparation. These coatings are designed to permit application directly to tightly adhering rust and intact old paint without blast cleaning.

With its proprietary blend of penetrants and surface tension-control agents, *Amerlock* has superior wetting action and creates a tight bond to the underlying metal. The result is a tough, durable coating with excellent resistance to weather, moisture, sunlight and chemical fumes. *Amerlock's* low-solvent formula will typically not lift or wrinkle old paint, and it is also an excellent direct-to-metal protective coating for new, unpainted surfaces. It meets existing VOC regulations, and it even meets requirements for drinking water and indirect food contact.

*Amerlock's* low-solvent formula penetrates to the underlying metal to form a tight bond allowing it to be applied over most old paint and even tightly-adhered rust. *Amerlock* products can also be combined with PPG's other value-added products such as the *Amercoat 450* series or PSX® products to serve specific asset protection needs.





#### Broad Spectrum of Markets

- Bridges
- Chemical Processing
- General Maintenance
- Infrastructure
- Marine
- Offshore
- OEM
- Petrochemical

- Power
- Rail
- Refinery
- Water/Wastewater

#### AMERLOCK® 400

When the job calls for a tough coating that seals and protects in just one application, choose *Amerlock 400*. Besides its suitability as a maintenance coating on existing steel structures, it is an excellent all-in-one primer and topcoat for new, unpainted steel in industrial facilities, on bridges, tank exteriors, offshore facilities, marine, piping, roofs, water towers and other exterior weathered exposures. It resists high humidity and moisture, and is compatible with prepared damp surfaces when pre-application blasting is impractical or impossible.

*Amerlock 400* cures through a wide temperature range, and is available in a variety of colors. While it is a self-priming topcoat over most existing coatings, it can be overcoated with a wide range of topcoats for extended weatherability or special situations. Its chemical resistance to splash/spillage, fumes and immersion in neutral, fresh and salt water makes *Amerlock 400* an excellent choice for a wide variety of general maintenance applications.

#### AMERLOCK® 2

Choose *Amerlock 2* for its fast drying time – dry to touch in as few as two hours at 70°F (21°C) – and recoat in three hours. It also offers the least amount of odor, low temperature cure down to 0°F (-18°C), superior chemical resistance and, of course, all of the other qualities, such as high surface tolerance for excellent adhesion, that make *Amerlock* products stand out against the competition. *Amerlock 2* is ANSI/NSF 61 (potable water) approved for immersion in tanks, pipes, valves and fittings. *Amerlock 2* is compliant with USDA incidental food contact requirements and meets FDA requirements for direct food contact.

#### AMERLOCK® SEALER

The same proprietary epoxy technology of *Amerlock 400* and *Amerlock 2* is also available in a solvent-free sealer and tiecoat that penetrates rust and adheres to aged coatings. *Amerlock Sealer* is a clear, thin-film 1.5 mil (138 microns) 100% solids epoxy sealer that is compatible with many older coatings as well as damp substrates. Like other products in the *Amerlock Series*, *Amerlock Sealer* resists moisture and corrosion.

#### AMERLOCK® 400 VOC/AMERLOCK® 2 VOC

These products have all of the attributes of *Amerlock 2* and *Amerlock 400* but in a low VOC version. These products meet guidelines requiring VOCs to be < 100 g/L.

*Amerlock 2* VOC – (84 g/L)

*Amerlock 400* VOC – (98 g/L)

#### AMERSHIELD™ Topcoat

Applying *Amershield* (aliphatic polyurethane) topcoat over *Amerlock 400*, *Amerlock 400 VOC*, *Amerlock 2* or *Amerlock 2 VOC* results in *Lockshield*, a superior system that is as rugged as it is aesthetically pleasing. This easy-to-apply system is ideal for direct application to both metal and concrete, and offers good chemical, abrasion and stain resistance. When applied to a wire brush cleaned surface, this system complies with world-recognized standards such as ISO 12944, C5-I high and C5-M high.



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PM17703/69  
6/2014

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