

PPG AMERLOCK[®] series

Versatile epoxy for the toughest applications



High performance epoxy combining corrosion protection with minimal surface preparation.

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/2 VOC

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

Amerlock 400 VOC – (98 g/L)

Amerlock 2 VOC – (84 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.



AMERLOCK® 2 and AMERLOCK® 400

Tough coatings that seal and protect in one coat



Minimal surface preparation

Can be applied over intact old paint and tight rust, convenient where blast cleaning is impossible or impractical



Self-priming

Primer and topcoat in one no downtime, less costly to apply



Adheres to damp surfaces

Allows for painting in less than perfect conditions



Fast dry

Amerlock 2 dries to the touch in just 2 hours. In certain temperatures 2 coats can be applied in the same day



Excellent edge retention

Can be applied in thicknesses of up to 8 mils in one coat, a significant advantage for coating angular surfaces



Multiple substrates

Can be used on steel, concrete, galvanizing, zinc or even as a concrete floor coating



Single coat

A single 5 mil coat delivers better performance than competitors' two- or even three- coat systems



Choice of almost any color

Unlike competitive products that have limited color options



Dry temperature resistance to 450°F (232°C) when combined with AMERCOAT® 880 glass flake

Offers high temperature protection for both insulated and uninsulated surfaces



Can be applied at low temperatures

Applied down to freezing temperatures if the surface is free of ice



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