Lubrizol

GENERAL INDUSTRIAL METAL

PERMAX™ V1000

POLYVINYLIDENE CHLORIDE EMULSION FOR INDUSTRIAL PRIMERS AND RUST CONVERSION

Permax™ V1000 Vinylidene Chloride Copolymer is the next generation in water-borne, corrosion-protective technology for metal surfaces, enabling the use of thinner films. This offers a high level of protection in harsh environments. Permax V1000 offers a unique blend of superior adhesion, low moisture vapor permeability, outstanding resistance to corrosion and humidity and high impact and settling resistance. These properties allow the formulator to offer a low VOC[1] coating system for primers, barrier coatings and transportation underbody applications.

Performance at low film builds

Permax V1000 stands up to rigorous, accelerated ASTM B-117 salt spray testing at dry films of 1.5 mils (38 microns), exhibiting superb results for both dry and wet adhesion to ASTM D3359. Permax V1000 is designed to provide excellent corrosion resistance and protection at low film builds; thus, enabling increased overall application spread rates and applied cost savings per square foot coated.

Environmental impact

Wet polymer stability ≥ 12 months will benefit domestic and international manufacturers while eliminating inventory waste and scrap costs. Permax V1000 can be top-coated by both water-based and solvent-based coatings for final system flexibility. Permax V1000 is APEO-free[2] and low VOC[1] capable, which enables it to meet many environmental regulations for global use.

WHAT WE ADD MAKES THE DIFFERENCE.™

- COMPLEX POLYMER CRYSTALLINITY IMPROVES MOISTURE PERMEABILITY
- SUPERIOR PROTECTION FOR A VARIETY OF METAL SUBSTRATES
- 1K SYSTEM EASES WORKABILITY
- DYNAMIC PROPERTIES FOR PRIMERS, UNDERBODY/ UNDER-CARRIAGE AND BARRIER COATINGS
- RUST CONVERTING PROPERTIES

[1]Low VOC defined as <76 g/l (U.S. Method), <30 g/l (EU Method).

[2]APEO not intentionally contained in the composition or used in manufacture.

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FEATURES & BENEFITS

- EXCELLENT CORROSION PROTECTION
- SALT SPRAY PERFORMANCE AT 1.5 MILS (38 MICRONS) DRY FILM THICKNESS
- ≥ 25% THINNER FILM USAGE
- ROBUST WET ADHESION (IMMERSION) FOR CRITICAL INDUSTRIAL APPLICATIONS
- FLEXIBILITY WITH HIGH IMPACT RESISTANCE
- APEO-FREE AND WATER-BASED TECHNOLOGY, ENABLING LOW VOC FORMULATIONS

ASTM B-117 SALT SPRAY

500 Hour Results at 1.5 mil/38 microns Dry Film Thickness

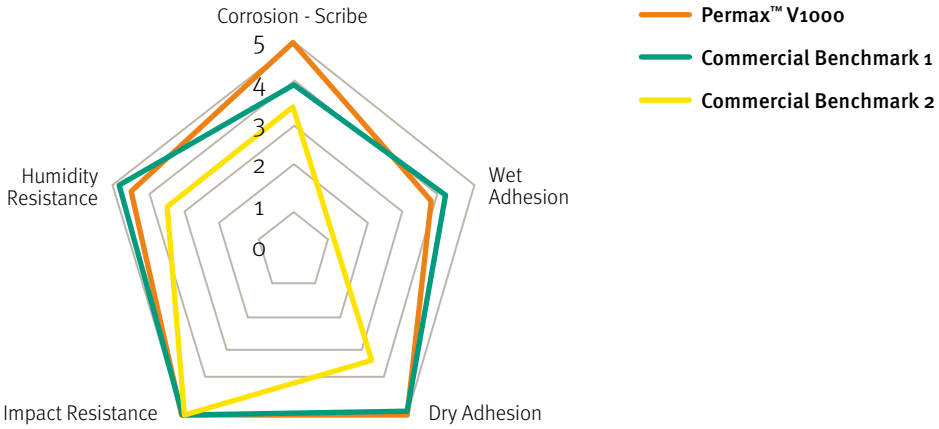
Note: The improved scribe creep and overall corrosion resistance of Permax™ V1000.

Permax™ V1000
1.5 mil/38 micron

Commercial Benchmark 1
1.5 mil/38 micron

Commercial Benchmark 2
1.5 mil/38 micron

PERMAX™ V1000 - OVERALL PERFORMANCE RESULTS



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