



Lubrizol

GENERAL INDUSTRIAL METAL

PERMAX™ 805

POLYVINYLIDENE CHLORIDE EMULSION (PVDC)

Permax™ 805 represents advancement in corrosion combating technology from Lubrizol. Its enhanced performance package, storage stability and resilience to temperature degradation make it an ideal candidate for corrosion prevention formulations. Permax 805 is an environmentally compliant product with low VOC capability and water-borne chemistry and aligns itself with multiple metal end uses.

High performance and stability

Permax™ 805 offers a shelf life of approximately 12 months and its enhanced wet polymer stability provides flexibility and feasibility in managing global inventory and logistics planning. Extended in-can stability makes primer coatings containing Permax 805 advantageous for high efficiency manufacturing requirements. After 750 hours of ASTM B117 salt spray testing, the coating showed little to no sign of surface corrosion and scribe creep, which equates to a 10 rating in ASTM performance.

Resilient to temperature changes

While in warehousing or after it's been applied to finished goods, Permax™ 805 provides excellent resistance to degradation due to temperature variations. That means greater flexibility in production planning and potentially reduced storage and handling costs.

Speed to market

Permax™ 805 dries quickly, so it can be part of fast-paced production lines. As an APEO-free and low-VOC component, compared to both water-borne and solvent-borne products, Permax™ 805 can be used under rigorous environmental regulations. Inter-coat adhesion to multiple topcoat chemistries (both water-borne and solvent-borne) gives Permax 805 a multi-functional use in coatings.

WHAT WE ADD MAKES THE DIFFERENCE.™

IDEAL FOR USE IN A WIDE RANGE OF APPLICATIONS:

- PRIMER COATINGS
- UNDERBODY COATINGS
- BARRIER COATINGS
- RUST CONVERSION COATINGS
- FLAME RETARDANT COATINGS

STARTING POINT FORMULATIONS AVAILABLE FOR:

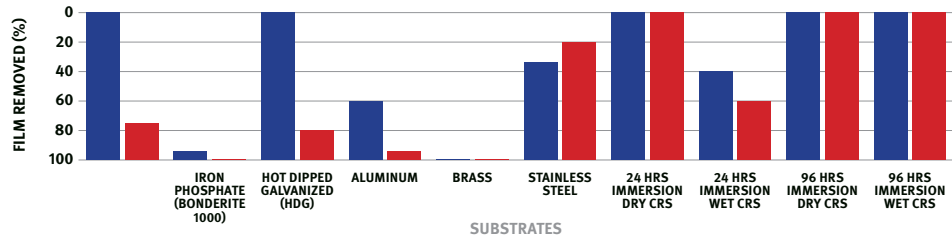
- RED OXIDE PRIMER
- BLACK OXIDE PRIMER
- OFF WHITE PRIMER
- RUST CONVERTING PRIMER

www.lubrizol.com/metal

FEATURES & BENEFITS

- EXCELLENT ADHESION CONTRIBUTES TO ENHANCED CORROSION RESISTANCE
- IMPROVED PACKAGE STABILITY HELPS REDUCE INVENTORY AND SCRAP COSTS
- TEMPERATURE RESILIENCE MEANS BROADER APPLICATION CAPABILITIES
- APEO-FREE AND COMPATIBLE WITH LOW-VOC FORMULATIONS
- FAST DRYING; IDEAL FOR IMPROVED MANUFACTURING LINE THROUGHPUT

CROSS HATCH ADHESION PERFORMANCE



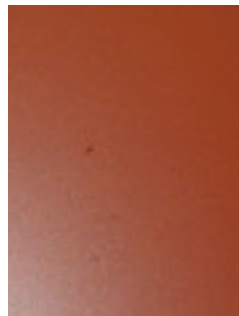
WHITE PAINT: PERMAX™ 805 ■ COMMERCIAL BENCHMARK ■

PERMAX™ 805 HAS SUPERIOR CROSS HATCH ADHESION PERFORMANCE. THE CHART SHOWS PERMAX™ 805 OUTPERFORMED THE COMMERCIAL BENCHMARK PRODUCT.

SALT SPRAY PERFORMANCE (ASTM B117)



COMMERCIAL BENCHMARK
2 COATS - 750 HOURS SALT FOG
COLD ROLLED STEEL



PERMAX™ 805 TECHNOLOGY
2 COATS - 750 HOURS SALT FOG
COLD ROLLED STEEL

RECOMMENDED FILM THICKNESS AS A PRIMER IS
2.5 - 4 DRY MILS (62-100 MICRONS)

Lubrizol Advanced Materials, Inc.

9911 Brecksville Road, Cleveland, OH 44141
800.380.5397



Visit us at:
www.lubrizol.com/metal