P.F.I., INC. - PAINTS FOR INDUSTRY
MANUFACTURERS OF AQUA-CLAD® & MIL-SPEC COATINGS

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METAL-CLAD® ALKYD ENAMEL

HES Series (Extreme High Gloss)
Technical Data Sheet

PRODUCT DESCRIPTION

METAL-CLAD® ALKYD ENAMEL is a solvent-borne, corrosion resistant, modified alkyd enamel for moderate industrial use. This product is a high solids, low VOC formulation manufactured with premium pigments to ensure maximum color and gloss retention in multiple industrial environments. Designed for both new construction and maintenance use. May be used directly over prepared substrates. Superior corrosion resistance can be achieved when used with **METALIZE® INDUSTRIAL PRIMER**.

Meets Federal Standard TT-E-489J performance specifications.

FEATURES

- Military grade
- Prevents rust
- Interior / Exterior
- Long term flexibility
- High solids
- Low VOC
- Impact and abrasion resistant
- Excellent color and gloss retention
- Resists light industrial fumes
- Ideal for shop applications
- Direct-to-Metal (DTM)
- Chip and flake resistant
- Single component

RECOMMENDED USES

For interior or exterior application to all ferrous and prepared non-ferrous metal surfaces, including: industrial machinery, heavy equipment, utility trailers, structural steel, farm equipment, piping, tank exteriors, and ornamental ironwork.

SURFACE PREPARATION

Remove all surface contaminants including oil, rust, loose paint, mill scale, and other detrimental matter by hand tool cleaning per SSPC-SP2 or solvent cleaning per SSPC-SP1. **ULTRA-BOND® METAL CLEANER** is the recommended cleaning solution for all steel surfaces. Preparing galvanized and aluminum substrates with **ULTRA-BOND®** will improve adhesion. For best results, iron and steel can be prepared by commercial blast cleaning per SSPC-SP6. Coating performance is dependent on adequate surface preparation and proper application. Due to the wide variety of substrates, surface preparation methods, and application environments, the user should test the complete coating system for adhesion and compatibility before full-scale production.

Warning! The removal of old paint may release lead dust. Lead is toxic and can cause serious illness and brain damage, especially in children. Before removing old paint, be sure to find more information on how to protect yourself and others by contacting the National Lead Information Hotline at 1-800-424-LEAD, or visit www.epa.gov/lead.

TECHNICAL DATA

Type: Modified alkyd polymer
Components: 1
Color: Full range available
Theoretical Coverage: 500 ft^2 / gal
VOC: <340 g/L ᵀ
Gloss 60° : >90
Solids Weight: 70% ± 2% †
Solids Volume: 56% ± 2% †
Viscosity: 150-200 cP †
Shelf Life: 2 years unopened
† *May vary by color*
ᵀ *This is a compliant extreme high gloss coating as required by the SCAQMD under Rule 1107.*

Dry Time (ASTM D1640 @ 77°F):

To touch	3-4 hours
To handle	5-6 hours
Recoat	4 hours
Cure	7-10 days

***Note**: The above schedule provides only a general guideline. Time to cure can vary based on many factors including: film build, humidity, air and surface temperature, and the use of additives or reducers.*

DIRECTIONS FOR USE

Application: Mix thoroughly prior to use. Spray is the preferred application method to ensure adequate film build and protection. Conventional pressure feed, high volume low pressure (HVLP), airless, and/or electrostatic spray equipment are recommended.

Reduction: As needed up to 30% with **AC-3 REDUCER** or equivalent zero VOC compliant solvent.

Recommended DFT: 2.0 – 3.0 mils

Cleanup solvent: AC-3 REDUCER or equivalent zero VOC compliant solvent.

ADDITIONAL INFORMATION

Review product label and Material Safety Data Sheet before using this product. Contains organic solvents. A NIOSH approved air supply respirator should be worn at all times when using this product. Material Safety Data Sheets are available online at www.pfiinc.net or by request. This product is free of lead and chrome.

Product Identification

2-HES-2606

- 2 — Color Class (1=clear, 2=white, 3=yellow/orange, 4=brown, 5=red, 6=blue, 7=green, 8=black, 9=aluminum)
- HES — Product Type
- 2606 — Color No.

The information contained in this bulletin is correct to the best of our knowledge. The recommendations or suggestions herein are made without guarantee or representation as to result, since the conditions of use are beyond our control. We suggest that you evaluate the recommendations contained in this bulletin in your own laboratory prior to use. Seller warrants the products to be free from defects in materials and workmanship. Such warranty is exclusive and is in lieu of any other warranty, express or implied. No statement is to be considered as violating any copyright or patent. They are intended only as a source of information.