



FP183 LINE

Technical Data Sheet

PRODUCT DESCRIPTION

1 HOUR ENAMEL SEMI is an incredibly tough fast dry acrylic enamel for interior and exterior use on surfaces that require quick return to service and an abrasion resistant finish. It is water thinned so it poses no fire hazard or objectionable odor. The product is based on a specialized acrylic resin that dries quickly to a tough, durable film that has excellent weather, blocking and abrasion resistance along with superior adhesion properties. For use on primed or previously painted interior wood, metal, plaster, drywall and masonry substrates; primed or previously painted exterior metal and masonry substrates. It is ideal for use on doors, cabinets, trim, handrails, shelving, bollards and structural steel surfaces.

Benefits

Quick Sand and Recoat Times
Excellent Adhesion
Superior Blocking Resistance

PHYSICAL PROPERTIES

Property	Result
Volume Solids	33.3 %
Viscosity	75 - 80 (Krebs units)
Density	10.36 lbs./gal
VOC	< 100 g/L
Gloss @ 60°	35 - 40
Spread Rate	400 - 450 sq. ft./gal
Recommended Film Thickness	3.6 – 4.0 mils wet 1.20 – 1.33 mils dry
Dry to touch	30 minutes
Recoat	2 hours
Reducer	Water



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SURFACE PREPARATION

New Work: The surface to be coated must be clean and free of oil, grease, rust and other contaminants that could interfere with adhesion. Masonry surfaces should be fully cured.

Repaint Work: Remove any oil, chalk, dirt, wax or dust prior to re-coating. Any loose or flaking paint should be removed, patched and the edges feather sanded to produce a smooth, uniform surface. Dull glossy surfaces to insure good adhesion. 1 HOUR ENAMEL is self-priming on MDF and non-bleeding woods, for stain blocking or for additional film build the substrate should be primed with 95J101 Acrylic Stain Blocking Primer. Ferrous metal surfaces should be primed with the appropriate metal primer.

Priming: Drywall / Plaster – Prime with 86D100 Primer.

Wood – Prime with 95J101 Primer or this product.

Ferrous Metal – Prime bare metal 16P100 primer.

Non-Ferrous Metal – Dull new non-ferrous metal with a maroon scrub pad and Prime with 95J101 Primer.

Masonry – Prime poured or precast masonry with 95J101 Primer. Fill porous block prior application of 1 HOUR ENAMEL.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

APPLICATION

General

Stir product with a circular, lifting motion before you begin to paint. Do not use a high speed drill as this may cause bubbles. Because of its' speed of dry this product is best applied by spray. Small surfaces and trim can be finished with a brush. If spraying is not practical, larger surfaces can be finished by rolling with a short nap micro fiber roller and tipping off the finish with a brush while the coating is wet to remove any bubbles the roller leaves in the film. A minimum of two coats of finish are required to produce a durable finish. Thinning is not normally necessary, if required use water sparingly. Apply when surface temperature is above 50°F.

Airless Spray – Tip at atomization pressures will vary with type of equipment, viscosity and temperature. An orifice of .011 - .015 will provide the most satisfactory spray pattern.

Best results are more likely obtained by using quality application tools. Do not apply directly over chalky surfaces or bleeding stains.

Cleanup

Clean spills and spatters immediately with soap and water, Clean tools with soap and warm water.



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CAUTION

Protect from freezing. Product is non-photo chemically reactive. This product contains solvents and/or other chemical ingredients. Adequate health and safety precautions should be observed during storage, handling, use and drying periods.



WARNING: Cancer and Reproductive harm. For more information go to www.P65Warnings.ca.gov

READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT



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DISCLAIMER

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Because application and conditions vary, and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use under then existing conditions. Our liability for breach of warranty, strict liability in tort, negligence or otherwise is limited exclusively to replacement of the product or refund of its price. Under no circumstances are we liable for incidental or consequential damages.