

Revised on April 2012

SP 1600 SERIES

PRODUCT PROFILE:

SP1600 is a 100% solids high build epoxy coating. SP1600 can be used on a variety of substrates and applications. Typical applications include wastewater (tanks, lift stations, wet wells, and manholes), cooling towers, and more. SP1600 can also be used as an interior or exterior pipe lining or coating.

PRODUCT FEATURES and BENEFITS:

- 100% Solids, No VOCs
- Can be sprayed applied at 125 mils in a single pass
- Excellent immersion resistance
- Also available in Paste Grade*

CHEMICAL RESISTANCE

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|--------------------------|-------------------------------|-------------------------------|
| • Acetic Acid 10% | • Hydrochloric Acid up to 20% | • Sodium Hydroxide 50% |
| • Ammonium Hydroxide 25% | • Mineral Spirits | • Sulfuric Acid 75% |
| • Brine Water | • Potassium Hydroxide 50% | • Sewage |
| • Copper Sulfate | • Crude Oil | • Alkalis |
| • Diesel Fuel | • Caster Oil | • Fresh and non-potable water |
| • Fatty Acids | • Ethylene Glycol | • Wine |
| • Gasoline | • Sodium Chloride | • Ethanol |

PHYSICAL PROPERTIES

Color	Light Gray, Light Blue, *Paste Grade available in Gray only
Container Size	5 gallon and 55 gallon drums
Coverage per gallon (Theoretical)	160 sq. ft. @10 mils thickness/ 12.8 sq. ft @ 125 mils thickness
Flash Point	greater than 250°F (121°C)
Pull-Off Adhesion Test ASTM D 4541	Minimum adhesion is 2750 psi
Recommended Thickness	1 coat up to 125 mils
Specific Gravity	Resin: 1.35; Hardener: 0.97
Volatile Organic Compounds (VOC)	0 grams/liter
Pot Life @ 40°F (4°C)	1 hour

75°F (24°C)	35 minutes
92°F (33°C)	20 minutes
Cure Time @ 70°F or 21°C: Re-coat Window	4 hours
Light Loading	1 day
Immersion (Aqueous) Service	24 hours
Full or Chemical Service	7 days

Note: Do not keep the blended coating in the original container unless immediate use is planned. Otherwise, exothermic heat created during the curing process will considerably shorten the pot life. Pour the coating into a rolling tray or large aluminum-basting pan. Try to keep the depth of the coating in the tray below 3/8".

SERVICE TEMPERATURE

Dry Service	-30°F – 250°F (121°C)
Spill/Splash	190°F (87.7°C)
Immersion Service*	150°F (65.5°C)*

*Water immersion-190°F (90°C)-Atlas test cell for 60 days, unaffected

PUMP SPECIFICATIONS

Pump	Heated (plural) Spray Units (Graco Extreme Mix)
Minimum Output	5600 psi
Product Hose: Min. – Optimum I.D.	0.375 – 0.5 inch
Max. Length	100 feet

MULTIPLE COATS:

Second and subsequent coats must be applied before the previous coat has completely cross-linked. If additional coats are needed after re-coat window, brush blast before applying the next coat. Small areas may be abraded by sanding or wire brushing.

The same requirement applies when overlapping the seams of adjacent coating sections to create a continuous protective film. If the coating surface to be overlapped at the seam cannot be brush blasted, use a non-impact means as power brushing or sanding to create a mechanical profile.

SAFETY

Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and material safety data sheets before using. While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products,

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whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user.

Please contact ErgonArmor for further information at 877.982.7667 or FAX 601-933-3381. For all Terms and Conditions of Sale see ergonarmor.com.

ORDERING INFORMATION

For additional information, prices, or to place an order, please contact your ErgonArmor sales representative. If you do not know the name of your sales representative, call 877-98ARMOR.



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