

Revised on April 2012

SC 5400 SERIES

PRODUCT PROFILE:

SC5400 is a 100% solids novolac coating designed for maximum heat and chemical resistance. Excellent coating for floors, secondary containment, ducts, piping, vessels, and storage tanks.

PRODUCT FEATURES and BENEFITS:

- 100% Solids, No VOCs
- Excellent chemical resistance
- Maximum heat resistance

CHEMICAL RESISTANCE

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| <ul style="list-style-type: none"> • Ammonium Hydroxide • Aromatic & Aliphatic Solvents • Black Liquor • Butyl Acetate • Butyl Carbitol • Chlorinated Solvents (except Methylene Chloride) • Chlorides • Chromic Acid up to 30% | <ul style="list-style-type: none"> • Hydrochloric acid (up to 90%) • Hydrogen Sulfide • MEK • Nitric Acid up to 30% • (Many) Organic Acids • Phosphates | <ul style="list-style-type: none"> • Phosphoric Acid up to 100% • Potassium Hydroxide • Salts • Sodium Hydroxide • Sulfides • Sulfuric Acid up to 98% • White Liquor |
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PHYSICAL PROPERTIES

Color	SC5410 (Light Gray), SC5420 (Dark Gray)
Container Size	1 gallons kit or 4X1 quart case
Coverage per gallon (Theoretical)	160 sq. ft. @ 10 mils thickness
Coefficient of Expansion (10 6/per °F)	1.8
Flash Point	greater than 250°F (121°C)
Pull-Off Adhesion Test ASTM D 4541	Minimum adhesion is 2800 psi
Recommended Thickness	2-3 coats @ 10 mils each; for high temps/severe chemical 3-4 coats @ 10 mils each is recommended
Specific Gravity	Resin: 1.51; Hardener: 0.95

Volatile Organic Compounds (VOC)		0 grams/liter
Weight per gallon		11.39 lbs
Pot Life @ 40°F (4°C)		
75°F (24°C)		2 hours
92°F (33°C)	15	30 minutes
minutes		
CURE TIME (at 75°F): Re-coat Window		1-1½ hours
Light Loading		12 hours
Immersion (Aqueous) Service		30 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	450°F (232°C)
Spill/Splash	360°F (182°C)
Immersion Service*	300°F (149°C)

*Immersion with solvents, mineral acids, or alkalines, or if over 150°F contact factory

PUMP SPECIFICATIONS

Pump Ratio	56:1 or greater
Minimum Output	5600 psi
Product Hose: Min. – Optimum I.D.	0.375 – 0.5 inch
Max. Length	50 feet

MULTIPLE COATS:

Second and subsequent coats must be applied before the previous coat has completely cross-linked. Apply additional coats when the previous coat will still string out (pigtail) and hold its shape when touched. If any slight tack remains, allow the product to cure, then brush blast before applying the next coat.

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 such 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, 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.

