



PRODUCT PROFILE

SC-2200 is a fast setting Novolac epoxy coating, 100% solids and completely non-hazardous. SC-2200 is the ultimate coating for repairs and rehabilitation for pipelines operating at maximum temperatures up to 100°C (212°F). This two-part, solvent free epoxy can easily achieve a dry film thickness of up to 40 mils with one pass. This product offers superior adhesion and abrasion resistance.

PRODUCT APPLICATIONS

- Girth welds, valves, fittings, bends, and odd shapes
- Rehabilitation and repair of pipelines, new pipelines, or any other metal substrate needing corrosion protection



PRODUCT FEATURES and BENEFITS

- 100% Solids, Epoxy Novolac
- NO VOC and NO ISOCYANATES
- Novolac Chemistry-designed for pipeline operating temperatures up to 100°C (212°F)
- Superior abrasion resistant properties
- SC-2200 can be spray or hand applied-field work made easier
- Superior bonding to bare steel and FBE
- Excellent cathodic disbondment properties, adhesion, and flexibility

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
Specific gravity	ASTM D 3289-03	1.47
Compressive strength	ATSM C-109	15,500 psi
Hardness	ASTM D-2240	85 Shore D
Resistance to acids & alkalis	ASTM C-481	Excellent
Thin film water absorption	ASTM D-570-98	1.44 average weight gain
Cubed water absorption after immersion	ASTM C 642-82	
Dielectric strength (in oil)	ASTM D-149	746.83 volts/mil
Adhesion to		
FBE	ASTM D 4541	>2,200 psi
Bare steel	ASTM D-4541	>2,200 psi
Impact resistance	ASTM G-14-88	72 in-lbs / 8.13 joules
Flexibility	NACE RP-0394	0.6° / pd
Tabor abrasion CS-17 wheel	ASTM D-4060-95	1785 cycles / mil
Cathodic disbondment @ 28 days Temp 195°F	ASTM-G95	<10mm disbondment

PRODUCT GUIDE

Maximum operating temperature	100°C 212°F
Compatible line coatings	FBE, CTE
Mixing ration:	By volume By weight
	4 part A: 1 part B 100 part A : 15 part B
Surface profile	2.45-4.0 mils 63-101 microns
Surface preparation	SA 2 ½ , SSPC-10-near white, SSPC-SP5-white
Color	Grey / Maroon / Beige
Single coat thickness:	Manually applied Spray applied
	30+ mils 40+ mils
Recoat Interval	15 min@45°F 10 min@70°F 7 min@100°F
Clean up	MEK

CURE TIMES

	45°F	70°F	100°F
Pot life	25 minutes	12 minutes	4 minutes
Gel time	30 minutes	15 minutes	12 minutes
Dry time	4 hours	1 hour	30 minutes
65 Shore D reading	3 hours	2 hours	30 minutes
80 Shore D reading	72 hours	6 hours	2 hours
Application temp range	38°F - 150°F		
Shelf life	1 year		

TYPICAL APPLICATION

Theoretical Coverage Rates	425 mil-sq. ft. / litre 1605 mil-sq. ft. / US gallon 1.0 mm-m ² / litre	
Recommended Tip Sizes		
Tip Size	Pipe Size (DN)	Flow Rates
331	To 12" (DN300)	19tip=1.1L/min.
419/431	12"-16" (DN300-400)	31 tip =2.8 L/min.
519/531	16"-24" (DN400-600)	Note: fluid pressure at tip approx. 3,500psi
619/631	24"-48" (DN600-1200)	



RECOMMENDED FILM THICKNESS

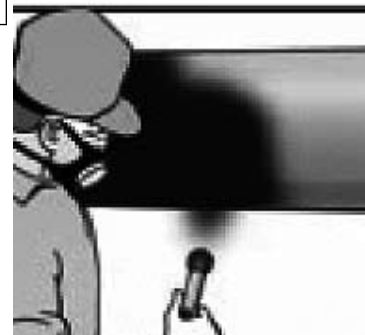
- Wet: up to 40 mils per coat
- Dry: up to 40 mils per coat

APPLICATION GUIDE

- Spray Grade: Plural component spray system-Tip size .027 - .037
- Brush Grade: Brush or Roller

TEMPERATURE CONSIDERATIONS

If the surface to be coated is below 10°C (50°F), preheating of the substrate is recommended. Preheat temperatures should not exceed 93°C (200°F) prior to the application.



STORAGE and HANDLING

For optimum performance, store SC-2200 products in a dry, well ventilated area. Maintain products in original packaging and sealed until just before use. Avoid exposure to direct sunlight, rain, snow, dust, or other adverse environmental conditions or contaminants.

ORDERING INFORMATION

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

Data Sheet Revised February 2009

All statements, technical information, and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied. Sellers and manufacturers only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for the intended use, and user assumes all risk and liability whatsoever therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.