

Chesterton ARC S4+ 100% Novolac acid resistant coating

Category : Polymer , Thermoset , Epoxy

Material Notes:

Description: An advanced polymer composite formulated to protect equipment from extreme chemical attack and corrosion. It is typically applied by spray, roller or brush at a nominal thickness of 375 microns (15 mils) per coat a two coat system. Non-shrinking, 100% solids. ARC S4+ is an advanced multi-functional composite lining system formulated for ambient and elevated temperature service. It is designed to be spray applied but may also be applied by roller or brush. ARC S4+ yields excellent barrier properties for long-term corrosion and chemical resistance in immersion exposures when used in a multicoat application Cured ARC S4+ provides a high gloss surface with adhesion and corrosion protection. **Benefits:** Outlasts conventional paints and coatings 100% solids, non shrinkage on cure Outstanding adhesion insures reliable performance against under film corrosion Able to be high voltage spark tested for pinhole free films Exceptional permeation resistance for long term corrosion protection Outstanding resistance to concentrated acids **Suggested Uses:** Chemical Storage Tanks Exhaust Gas Ductwork Heat Exchangers Tank Linings Chimneys and Stacks Fans and Housings Chemical Piping Information provided by Chesterton

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chesterton-ARC-S4-100-Novolac-acid-resistant-coating.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	Cured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	83	83	ASTM D2240
Tensile Strength at Break	24.1 MPa	3500 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Flexural Strength	27.6 MPa	4000 psi	ASTM D790
Flexural Modulus	1.72 GPa	250 ksi	ASTM D790
Adhesive Bond Strength	>= 13.8 MPa	>= 2000 psi	ASTM D4541

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 °C	140 °F	Ambient Cure, Wet Service
	95.0 °C	203 °F	Post Cure, Wet Service
	150 °C	302 °F	Ambient Cure, Dry Service

Processing Properties	Metric	English	Comments
Cure Time	300 min	5.00 hour	Tack Free

Processing Properties	@Temperature 32.0 °C Metric	@Temperature 89.6 °F English	Comments
	480 min	8.00 hour	Tack Free
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	600 min	10.0 hour	Tack Free
	@Temperature 16.0 °C	@Temperature 60.8 °F	
	780 min	13.0 hour	Light Load
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	900 min	15.0 hour	Overcoat End
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	1080 min	18.0 hour	Light Load
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	1260 min	21.0 hour	Overcoat End
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	1440 min	24.0 hour	Light Load
	@Temperature 16.0 °C	@Temperature 60.8 °F	
	1680 min	28.0 hour	Overcoat End
	@Temperature 16.0 °C	@Temperature 60.8 °F	
	2280 min	38.0 hour	Full Load
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	2640 min	44.0 hour	Full Load
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	3120 min	52.0 hour	Full Load
	@Temperature 16.0 °C	@Temperature 60.8 °F	
	12000 min	200 hour	Full Chemical
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	15000 min	250 hour	Full Chemical
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	18000 min	300 hour	Full Chemical
	@Temperature 16.0 °C	@Temperature 60.8 °F	

Descriptive Properties	Value	Comments
------------------------	-------	----------

Color

Descriptive Properties	Grav Value	Comments
	Red	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China