

Product Datasheet: ARC S4+(E)

100% solids, advanced reinforced thin film coating to protect structures against extreme chemical attack and corrosion. ARC S4+(E) industrial coating is designed to:

- Protect against extreme chemical attack in immersion
- Provide extended wear resistance
- Apply by brush, roller, airless or plural component spraying

Application Areas

- Exhaust gas ductwork
- Heat exchangers
- Chemical storage tanks
- Fans and housings
- Chimneys & stacks
- Tank linings

Packaging and Coverage

Nominal based on DFT 375 µm (15 mil) Typically applied as 2-Coat System

1125 ml cartridge covers 3.00 m² (32.30 ft²)

16 liter kit covers 42.70 m² (459.30 ft²)
 Note: Components are pre-measured & pre-weighed.
 Each kit includes mixing and application instructions.

Colors: Gray or red





Features and Benefits

- Multi-functional chemistry
 Resists concentrated chemicals
- High cross-link density
 - Permeation resistant
 - Improved thermal stability
 - Enhanced mechanical properties
- Spark testable per NACE SP0188
 - Easy post application inspection
 - Facilitates quality assurance
- High adhesive strength
 - No underfilm corrosion
 100% collide: no VOCor
- 100% solids; no VOCs; no free isocyanates
 - Enhances safe use

Technical Data

Technical Data			
Composition Matrix	A modified epoxy resin reacted with a modified cycloaliphatic amine curing agent		
Reinforcement	Proprietary blend of surface modified mineral reinforcements		
Cured Density		1.3 g/cc	81 lb/ cu.ft.
Flexural Strength	(ASTM D 790)	378 kg/cm² (37.3 MPa)	5,400 psi
Pull-Off Adhesion	(ASTM D 4541)	337 kg/cm² (33 MPa)	4,800 psi
Tensile Strength	(ASTM D 638)	336 kg/cm² (32.4 MPa)	4,700 psi
Tensile Elongation	(ASTM D 638)	7.9%	
Flexural Modulus	(ASTM D 790)	1.4 x 10 ⁴ kg/cm ² (1412 MPa)	2.0 x 10⁵ psi
Shore D Durometer Hardness	(ASTM D 2240)	82	
Vertical Sag Resistance, at 21°C (70°F) and 250 μm (10 mil)		No sag	
Maximum Temperature (Dependent on service)	Wet Service Dry Service	50°C 110°C	117°F 220°F
Shelf life (unopened containers)	2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		



Chesterton International GmbH Am Lenzenfleck 23, DE-85737 Ismaning, Germany Tel +49-5223-96276-0 www.arc-epc.com eu-pds@chesterton.com © 2019 A.W. Chesterton Company

© 205 A.W. Clesterion Company Registered trademark owned and licensed by A.W. Chesterton Company in USA and other countries, unless otherwise noted. Technical Data reflect results of laboratory tests and are intended to indicate general characteristics only. Since many actual application circumstances are beyond Chesterton's knowledge and/or control, the product user must determine the suitability of the products it intends to use for its particular purpose and assume all risks and liabilities in connection therewith. CHESTERTON DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Form No. EN-084986EU