

Product Datasheet: ARC 858(E)

100% solids, thick film, ceramic reinforced abrasion control epoxy compound formulated to protect metal surfaces subjected to erosion, corrosion and chemical attack. ARC 858(E) industrial coating is designed to:

- Upgrade new and old equipment exposed to abrasion, corrosion or chemical attack
- Rebuild surfaces with erosion resistant protection outperforming weld overlays
- Fill grooves, pits, etc. in metal prior to overcoating with another ARC product

Heat exchangers

Easily apply by trowel

Application Areas

- Pump casings
- Impellers and blades
- Back platesWear plates
- Bins and silosHoppers
- Transport screws
- Tanks and vessels
- Valves
 - Dewatering screws

Pipe elbows



Features and Benefits

- Extremely abrasion resistant
- Extends equipment life
- Reduces spare parts
- Reduces downtime
- High build single coat applications
 - Quick applications
- High adhesive strength
 - Provides long-term protection
 - Eliminates under-film corrosion
- 100% solids; no VOCs; no free isocyanates
 - Enhances safe use
 - No shrinkage on cure
 - Resists permeation

- 1,5 liter kit covers 2.00 m² (21.53 ft²)
- 5 liter kit covers 6.67 m² (71.76 ft²)

Nominal, based on a 750 μ m (30 mil) thickness

940 ml cartridge covers 1.25 m² (13.50 ft²)

Packaging and Coverage

 16 liter kit covers 21.33 m² (229.63 ft²) Note: Components are pre-measured & pre-weighed.
Each kit includes mixing and application instructions.
250 g, 1,5 liter & 5 liter kits include tools.

Color: Gray

Technical Data

A two component, modified epoxy resin reacted with an aliphatic curing agent		
A proprietary blend of ceramic particles providing smooth, erosion resistant surface		
	1.7 g/cc	106 lb/ cu.ft.
(ASTM D 695)	924 kg/cm² (91 MPa)	13,200 psi
(ASTM D 790)	380 kg/cm² (37 MPa)	5,400 psi
(ASTM D 790)	7.0 x 10 ⁴ kg/cm ² 6.9 x 10 ³ MPa	10.1 x 10⁵ psi
(ASTM D 4541)	351 kg/cm² (34.5 MPa)	5,000 psi
(ASTM D 638)	197 kg/cm² (19 MPa)	2,800 psi
(ASTM D 1002)	279 kg/cm² (27 MPa)	3,900 psi
(ASTM D 2240)	89	
(ASTM D 4060)	95 mg weight loss	
	No sag	
Wet Service Dry Service	70°C 160°C	158°F 320°F
3 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		
	A two component, modifie A proprietary blend of cera (ASTM D 695) (ASTM D 790) (ASTM D 790) (ASTM D 4541) (ASTM D 638) (ASTM D 638) (ASTM D 1002) (ASTM D 2240) (ASTM D 2240) (ASTM D 4060) Wet Service Dry Service 3 years [stored between 10	A two component, modified epoxy resin reacted with an A proprietary blend of certific particles providing smoot A proprietary blend of certific particles providing smoot 1.7 g/cc (ASTM D 695) 924 kg/cm² (91 MPa) (ASTM D 790) 380 kg/cm² (37 MPa) (ASTM D 790) 7.0 × 10 ⁴ kg/cm² (ASTM D 790) 7.0 × 10 ⁴ kg/cm² (ASTM D 4541) 351 kg/cm² (34.5 MPa) (ASTM D 638) 197 kg/cm² (19 MPa) (ASTM D 1002) 279 kg/cm² (27 MPa) (ASTM D 2240) 89 (ASTM D 4060) 95 mg weight loss Wet Service 70°C Dry Service 70°C 3 years [stored between U°C (50°F) and 32°C (90°F) in data



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