

100% solids, reinforced thin film coating to protect structures against chemical, abrasion, and corrosion. ARC 855N industrial coating is designed to:

- Meet the requirements of Mil Spec 32171
- Protect metal against abrasion, corrosion and chemical attack
- Provide extended wear and predictable maintenance
- Apply by brush or roller

Application Areas

- Deck coating
- AFFF stations
- Machine spaces
- Elevator rooms

- Structural Steel
- Chain lockers

Packaging and Coverage

ARC 855N typically applied in 2 coats Nominal, based on 2 coats at 375 µm (15 mil) thickness

 1,5 liter kit covers 2.00 m² (21.53 ft²) Note: Components are pre-measured & pre-weighed. Each kit includes mixing and application instructions plus tools

Colors: Blue or gray





Features and Benefits

- Meets Mil Spec. 32171 Certified for on- board applications
- Low viscosity
 - Easily applied
- High adhesive strength Prevents underfilm corrosion
- 100% solids; no VOCs; no free isocyanates
 - Enhances safe use
 - No shrinkage on cure
 - Resists permeation
- Low viscosity, thin film, brush or roller applied coating
 - Easy to apply
 - Saves repair time

Tochnical Data

Technical Data				
Composition Matrix	A two component, m	A two component, modified epoxy resin reacted with an aliphatic curing agent		
Reinforcement	A proprietary blend of ceramics			
Cured Density		1.6 g/cc	100 lb/ cu.ft.	
Compressive Strength	(ASTM D 695)	840 kg/cm² (82.7 MPa)	12,000 psi	
Flexural Strength	(ASTM D 790)	560 kg/cm² (54.2 MPa)	8,000 psi	
Pull-Off Adhesion	(ASTM D 4541)	352.7 kg/cm² (34.6 MPa)	5,020 psi	
Tensile Strength	(ASTM D 638)	240 kg/cm ² (23.4 MPa)	3,400 psi	
Linear Coefficient of Thermal Expansion	(ASTM C 531)	4.6 x 10 ⁻⁵ cm/cm/°C	2.6 x 10⁻⁵ in/in/°F	
Cathodic Disbondment	(ASTM G 8)	Passes 60 days		
Composite Shore D Durometer Hardness	(ASTM D 2240)	85		
Salt fog - scored panels	(ASTM B 117)	No rust > 10,000 hours		
Vertical Sag Resistance, at 21°C (70°F) and 375 μm (15 mil)		No sag		
Maximum Temperature (Dependent on service)	Wet Service Dry Service	65°C 120°C	149°F 248°F	
Shelf life (unopened containers)	3 years [stored betw	3 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		



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