

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
- Machine spaces
- AFFF stations
- 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

Technical Data

Composition	Matrix	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/cm ² (82.7 MPa)	12,000 psi
Flexural Strength	(ASTM D 790)	560 kg/cm ² (54.2 MPa)	8,000 psi
Pull-Off Adhesion	(ASTM D 4541)	352.7 kg/cm ² (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	65°C	149°F
	Dry Service	120°C	248°F
Shelf life (unopened containers)	3 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		