

100% Solids, "2 in 1" emergency patch, and leak seal repair epoxy putty. ARC 5ES repair putty is designed to:

- Patch and seal leaks up to 3mm (120 mil) diameter
- Cure underwater and on damp surfaces
- Meet the requirements of NSF 61 for cold water service
- Easily apply by kneading together and press-affixing to surface

Application Areas

- Pitted castings
- Adhere signs
- Patch radiators
- Fiberglass pipe
- Leaking battery cases
- Water tanks
- Electrical boxes
- Weld seams

Packaging and Coverage

Nominal, based on a 3 mm (120 mil) thickness

- 114 gram "stick" covers 20,00 cm² (3.10 in²).
- 12 sticks to a case

Color: Gray



Features and Benefits

- **Rapid cure properties**
 - Faster return to service
 - Emergency leak sealing
- **High viscosity**
 - Easy to apply
 - Applies to wet surfaces
- **"2 in 1" packaging**
 - Enhances safe use
- **Moisture tolerant formula**
 - Bonding to wet surfaces
 - Versatile epoxy



Certified to NSF/ANSI 61

Technical Data

Composition	Matrix	A modified epoxy resin reacted with aliphatic amine curing agent	
	Reinforcement	Proprietary quartz material pretreated with polymeric coupling agent	
Color		Black	
Consistency		Putty Like	
Density		2.2 g/cc	136 lb./cu.ft.
Cure Time to 90% Shore D		9 minutes	
Dielectric Strength	(ASTM D 149)	12 v/μ	300 V/Mil
Hardness Shore D		80	
Compressive Strength	(ASTM D 695)	280 kg/cm ² (27.4 MPa)	4,000 psi
Lap Shear Adhesion			
	Unclean		
	SSPC SP3 - Dry	120 kg/cm ² (11.8 MPa)	1,700 psi
	SSPC SP3 - Wet	300 kg/cm ² (29.4 MPa)	4,200 psi
		150 kg/cm ² (14.7 MPa)	2,200 psi
Working Time at 21°C (70°F)		5 minutes	
Temperature Limit	Wet	54°C	130°F
	Dry	121°C	250°F
Shelf life (unopened containers)		2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]	