Product Datasheet: ARC 5ES



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 (.125") 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
- Fiberglass pipe
- Adhere signs
- Leaking battery cases
- Patch radiators
- Ecoking battery cuses
- Water tanksElectrical boxes
- Weld seams

Packaging and Coverage

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

- 114 gram "stick" covers 20 cm² (3.1 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

Composition Matrix	A modified epoxy resin reacted with aliphatic amine curing agent		
Composition Matrix			
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 SSPC SP3 - Wet	(ASTM D 1002)	120 kg/cm² (11.8 MPa) 300 kg/cm² (29.4 MPa) 150 kg/cm² (14.7 MPa)	1,700 psi 4,200 psi 2,200 psi
Working Time at 21°C (70°F)		5 minutes	
Temperature Limit	Wet Dry	54°C 121°C	130°F 250°F
Shelf life (unopened containers)	2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		



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