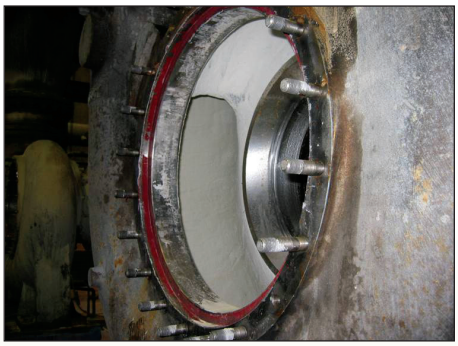
Product Datasheet: ARC MX2(E)

100% solids, ceramic reinforced, multi-component system, formulated for extreme sliding-wear and abrasion caused by fine particles. ARC MX2(E) industrial coating is designed to:

- Protect surfaces against both dry fine particle erosion and wet slurry abrasion
- Restore worn equipment to near original condition
- Provide a longer lasting alternative to rubber linings and ceramic wear tiles
- Resist a broad pH spectrum
- Easily apply by trowel



Application Areas

- Cyclones
- Valves
- Hopper bins
- Pulp dewatering screws
- Wear plates
- Slurry pumps
- Agitators
- Mixers
- Cleaner cones
- Pipe spools
- Pipe elbows
- Pulverizers

Packaging and Coverage

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

- 2.5 liter kit covers 0.83 m^2 (8.97 ft^2)
- 16 liter kit covers 5.33 m^2 (57.41 ft^2)

Note: Components are pre-measured & pre-weighed.

Each kit includes mixing and application instructions.
2.5 liter kit includes tools.

Color: White

Features and Benefits

- **Tough, ceramic reinforced coating resists broad range of slurries**
  - Extends life of equipment exposed to fine particle wear
- **100% solids; no VOCs; no free isocyanates**
  - Enhances safe use
  - Bonds easily to prepared surfaces
  - Serves demanding applications
- **Low viscosity formulation**
  - Simplifies application
  - Lowers installed cost
  - Easily molded

Technical Data

Composition — Matrix	A modified epoxy resin reacted with an aliphatic amine curing agent		
Reinforcement *(Proprietary)*	Blend of medium and fine particle size, high purity Al_2O_3 ceramic beads and powders, pretreated with polymeric coupling agent		
Cured Density		2.4 g/cc	150 lb/ cu.ft.
Compressive Strength	(ASTM D 695)	1,025 kg/cm^2 (101 MPa)	14,600 psi
Flexural Strength	(ASTM D 790)	445 kg/cm^2 (43 MPa)	6,300 psi
Pull-Off Adhesion	(ASTM D 4541)	> 211 kg/cm^2 (> 21 MPa)	> 3,000 psi
Tensile Strength	(ASTM D 638)	269 kg/cm^2 (26 MPa)	3,800 psi
Impact Resistance (Direct)	(ASTM D 2794)	> 18 N-m	> 160 in-lbs.
Shore D Durometer Hardness	(ASTM D 2240)	89	
Vertical Sag Resistance, at 21°C (70°F) and 6 mm (240 mil)		No Sag	
Maximum Temperature (Dependent on service)	Wet Service Dry Service	95°C 205°C	203°F 400°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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