# 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

Hopper bins

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



#### 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

## Packaging and Coverage

- Nominal, based on a 3 mm (120 mil) thickness 2.5 liter kit covers 0.83 m<sup>2</sup> (8.97 ft<sup>2</sup>)
- 16 liter kit covers 5.33 m<sup>2</sup> (57.41 ft<sup>2</sup>)

Note: Components are pre-measured & pre-weighed. Each kit includes mixing and application instructions. 2.5 liter kit includes tools

Color: White

**Technical Data** 



Composition Matrix A modified epoxy resin reacted with an aliphatic amin				g agent
	Reinforcement (Proprietary)	hent ( <i>Proprietary</i> ) Blend of medium and fine particle size, high purity $Al_2O_3$ ceran with polymeric coupling agent		mic beac
Cured Density			2.4 g/cc	150
Compressive Strength		(ASTM D 695)	1,025 kg/cm² (101 MPa)	14,6
Flexural Strength		(ASTM D 790)	445 kg/cm² (43 MPa)	6,3
Pull-Off Adhesion		(ASTM D 4541)	> 211 kg/cm² (> 21 MPa)	> 3

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/cm² (101 MPa)	14,600 psi	
Flexural Strength	(ASTM D 790)	445 kg/cm² (43 MPa)	6,300 psi	
Pull-Off Adhesion	(ASTM D 4541)	> 211 kg/cm² (> 21 MPa)	> 3,000 psi	
Tensile Strength	(ASTM D 638)	269 kg/cm² (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)	3 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]			

Form No. EN-084962EU



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ARC MX2(F)