

Rapid curing, 100% solids, ceramic reinforced, multi-component system, formulated for moderate sliding-wear and abrasion caused by fine particles. ARC BX5 (MX5) industrial coating is designed to:

- Cure under adverse conditions with maximum adhesion
- Quickly patch and repair worn equipment and structures
- Easily apply by trowel

Application Areas

- Pneumatic conveyors
- Chipper & chip bins
- Hydro pulpers
- Turbo separators
- Ni-hard slurry pumps
- Fly ash separators
- Transport fans
- Screw conveyors
- Cyclones & hoppers
- Wear plates
- Pipe elbows
- Pulverizers

Packaging and Coverage

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

- 0.75 liter kit covers 0.25 m² (2.69 ft²)
- 2.5 liter kit covers 0.83 m² (8.97 ft²)

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

Each kit includes mixing and application instructions plus tools.

Color: Gray or Red



Features and Benefits

- **Rapid cure chemistry**
 - Quick return to service
- **High volumetric loading level of ceramics**
 - Resists abrasive wear longer
- **Surface tolerant formulation**
 - Bonds to moist and sub-optimally prepared substrates
- **100% solids; no VOCs; no free isocyanates**
 - Enhances safe use
- **Mechanically tough reinforced composite**
 - Resist mild to moderate impact applications

Technical Data

Composition	Matrix	A modified epoxy resin reacted with an aliphatic amine curing agent	
	Reinforcement (<i>Proprietary</i>)	Blend of sintered bauxite beads & SiC powders pretreated with polymeric coupling agent	
Cured Density		2.2 g/cc	137 lb/ cu.ft.
Compressive Strength	(ASTM C 579)	917 kg/cm ² (90 MPa)	13,050 psi
Flexural Strength	(ASTM C 580)	444 kg/cm ² (44 MPa)	6,320 psi
Pull-Off Adhesion	(ASTM D 4541)	224.8 kg/cm ² (22.1 MPa)	3,200 psi
Tensile Strength	(ASTM C 307)	192 kg/cm ² (18.7 MPa)	2,726 psi
Impact Resistance (Reverse)	(ASTM D 2794)	6.6 N-m	58 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	60°C	140°F
	Dry Service	120°C	248°F
Shelf life (unopened containers)	2 years [stored between 10°C (50°F) and 32°C (90°F) in dry, covered facility]		