

A/CRC

Abrasion and Corrosion Resistant Compound

For thick application on severe wear surfaces, SCProbond™ A/CRC Abrasion and Corrosion Resistant Compound spreads easily, filling holes, gouges, and worn areas in one smooth application. This premium, silicon carbide-filled compound is trowelable and can be applied vertically and overhead at ½" with no sag. With a 15 minute working time and functionally cured bond in only 7 hours, A/CRC offers corrosion resistance to a wide range of chemicals, including sulfuric acid, nitric acid, ammonium hydroxide, and sodium hydroxide. Suitable for applications that see less than 95°C, A/CRC also exhibits excellent sliding abrasion wear protection and adheres easily to most metals and cast silicon carbide substrates. This specialty wear compound is offered in 3lb or 22.5lb kits designed for processing environments commonly found in copper refineries, petrochemical applications, oil sands, chemical processing plants, power plants, and other environments where corrosion and abrasion are a concern.

Application Guidelines:

Maximum Service Temp	93°C (200°F)
Working Time	15 minutes
Functional Cure	7 Hours @ 22.2-23.9°C (72-77°F)
Mix Ratio (By Volume)	2:1

Physical Properties:

Appearance	Soft paste	
Resistance (Abrasion Loss)	1.91 cc (0.11)	ASTM C 704
Hardness Shore Scale	91D	ASTM D 2240
Compressive Strength	82 MPa (11,900 psi)	ASTM D 695
Flexural Strength	55 MPa (8,100 psi)	ASTM D 790
Lap Shear	17.5 MPa (2,550 psi)	ASTM D 1002

Typical Applications:

- Copper Refineries
- Petrochemical
- Oil Sands
- Chemical Processing Plants
- Power Plants