

WRC

General Purpose Wear Resistant Compound

SCProbond™ WRC General Purpose Wear Resistant Compound is a two-component, silicon carbide filled epoxy system formulated for applications that see less than 150°C and specifically designed to resist abrasive wear and low-severity corrosion. This compound has a 30 minute working time, provides a functionally cured bond in only 7 hours, and is designed for use in pump casings, slurry lines, pipe elbows, pneumatic transport systems, chutes, cyclones, fans, coal breakers, pulverizers, coal heads, and other high wear areas. SCProbond™ WRC Compound 2:1 kits are available in 2lb or 25lb kits supplied with the resin and hardener pre-measured in the correct mixing ratio for ease of use.

Application Guidelines:

Maximum Service Temp	149°C (300°F)
Working Time	30 minutes
Functional Cure	7 hours
Mix Ratio (By Volume)	2:1

Physical Properties:

Tensile Shear Strength	21 MPa (3050 psi)	ASTM D 638
Hardness Shore Scale	90D	ASTM D 2240
Compressive Strength	96.5 MPa (14,000 psi)	ASTM D 695

Typical Applications:

- Pump Casings
- Slurry Lines
- Pipe Elbows
- Pneumatic Transport Systems
- Chutes
- Cyclones
- Fans
- Coal Breakers
- Pulverizers
- Coal Heads