

## 204 Heavy Duty Ceramic Repair Paste

**204 Heavy Duty Ceramic Repair Paste** is a two component solvent free epoxy metal repair compound incorporating ceramic beads. The product has been designed for use in harsh operating environments subject to heavy wear, abrasion and impact. The material can be used for repairs and resurfacing of equipment such as chutes, hoppers, pipe bends, pump casings and other process equipment in contact with aggregates and slurries.



### Main characteristics -

- Two component
- Solvent free epoxy
- 3:1 mixing ratio by volume
- Usable life 45 minutes (20°C)
- Touch dry 2 hours (20°C)
- Full cure 6 days (20°C)
- 89 Rockwell R Hardness (Once fully cured)
- Applied by spatula or applicator tool
- Available in 5kg, 25kg pack sizes

### Mechanical Properties –

#### Adhesion

Tensile Shear to ASTM D1002      148kg/cm<sup>2</sup>      (2100psi)

#### Compressive strength

Tested to ASTM D 695      1089kg/cm<sup>2</sup>      (15,500psi)

#### Corrosion Resistance

Tested to ASTM B117      Minimum 5000 hours

#### Flexural Strength

Tested to ASTM D790      420kg/cm<sup>2</sup>      (6000psi)

#### Heat Resistance

Suitable for water immersion up to 60°C and intermittent contact with steam up to 100°. Dry heat resistance up to 140°C.



Process pipe work blast prepared



Coal grinder at a steelworks relined and repaired using 204 Heavy Duty Ceramic Repair Paste



Coal lines at a power station rebuilt and protected using 204 Heavy Duty Ceramic Repair Paste



Internal surfaces coated with 204 Heavy Duty Ceramic



All surfaces encapsulated with 202 Ceramic Repair Fluid