

# SOLIDWEAR HP 200

## Multi-Purpose Epoxy Wearing Compound

Solidwear HP 200 is a multi-purpose epoxy wearing compound containing a combination of ceramic fillers and beads, held uniformly in suspension in a blended high performance resin system.

It is ideal for protecting wearing areas in plants which process fine slurries. Contains fine crushed angular aluminium oxide. Easy to trowel on large surfaces.

### UNIQUE PRODUCT BENEFITS

- Cuts down time to a minimum, as most repairs are done on site.
- Extends life of costly plant and components.
- Easy to mix and apply.
- Can be applied 3 - 10 mm.
- Can be applied to vertical and overhead surfaces and areas in which compound shapes or difficult access make the application of other wearing materials impractical.
- Water smoothable – Lightly wetting trowel or gloved hand gives a smooth finish.
- Excellent acid resistance > 30% Sulphuric acid. Strong acid blends typically used in mine processing.
- Rapid cure - Normally ready to use in 6 to 8 hours at normal room temperature - less if heat is applied.
- Excellent adhesion to metal and other surfaces under adverse conditions including damp surfaces.
- Non-corrosive, unlike other epoxy systems.
- Good low temperature cure down to 8°C and excellent corrosion resistance.

### TECHNICAL DETAILS

Compressive Strength	90 MPa (20°C)
Tensile Strength	35 MPa (20°C)
Heat Deflection Temperature	75°C
Chemical Resistance	Dilute acids and alkalis, aliphatic solvents, petroleum products, seawater and distilled water.
Mixing Ratio (By Mass)	2 : 1
Solids Content	100%
Pot Life (500 ml)	30 to 40 min.
Touch Dry	2 hrs
Practical Cure	6 to 8 hrs
Full Cure	2 days
Application	Trowel or gloved hand
Colour	Charcoal or red
Theoretical Coverage	1.1 m <sup>2</sup> / kit @ 5 mm
Application Temperature	8 to 35°C
Shelf Life	12 months
Cleaner	Epoxy thinners

### PACKAGING

Solidwear HP 200 is supplied as a 12 kg kit.

**Leading manufacturers of specialist epoxy and polyurethane flooring systems, specialised construction and corrosion protection products.**

Distribution facilities nationwide

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## APPLICATIONS:

Any plant and equipment subject to erosion caused by abrasion from process materials.

Common areas of application are:

- feed chutes
- spigots
- pipe elbows
- slurry lines
- hoppers
- chutes
- settling tanks
- cyclones
- pump casings

## SUBSTRATE REQUIREMENTS

All surfaces must be clean, dry and free of rust or mill scale. Grit blasting to SA 2½ is recommended. If mechanical grinding is used, ensure that the prepared surface has a rough profile.

## INSTALLATION:

Using a steel trowel or gloved hand apply compound at 3 mm to 10 mm thickness or as specified. Wipe smooth with hands, which are slightly wet with soapy water. Any mixed material will become unusable after 40 minutes.

To accelerate curing time, post cure after compound has hardened, by heating to about 40°C for 30 minutes.

## HEALTH AND SAFETY

Some of the components of this product may be hazardous during mixing and application.

Ensure adequate ventilation in work area. Use protective clothing to avoid skin contact with uncured compound at all times. No sparks or naked flame to be permitted in the vicinity while tools and equipment are being cleaned with Epoxy Thinners or other flammable products.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA No.85 of 1993. The finished system is not hazardous to health or the environment.

## WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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