

# SOLIDWEAR HP PULLEY

## High-Performance Pulley Wearing Compound

Solidwear HP Pulley is a high-performance technically advanced pulley lagging wearing compound using co-polymer resin technology for superior temperature, chemical and water resistance.

It contains graded special ceramics fillers which gives excellent wear resistance, impact and chemical resistance. It is "wet" easy to apply compound for difficult to reach applications and secondary pulley's.

### UNIQUE PRODUCT BENEFITS

- Excellent acid and alkali resistance (up to 50% sulphuric acid).
- Extends life of costly plant and components.
- Easy to mix and apply.
- It conforms and spreads easily into tight corners and curved surfaces.
- 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.
- Rapid cure - Normally ready to use in 17 hours at 25°C - less if heat is applied.
- Excellent adhesion to metal and other surfaces under adverse conditions including damp surfaces.
- Good low temperature cure down to 5°C and excellent corrosion resistance.

### TECHNICAL DETAILS

No. of Components	2
Kit Size	12 kg
Coverage	1 m <sup>2</sup> @ 4.5 mm
Mixing Ratio	5 : 1
Pot Life (500 ml)	25 to 30 min. at 25°C
Working Time	45 min.
Practical Cure	2 to 3 hrs
Full Cure	18 hrs
Application	Trowel or gloved hand
Hardness	Shore D 85
Compressive Strength	100 MPa ASTM D-695-54
Tensile Strength	35 MPa
Lap Shear	> 13 MPa
Heat Deflection Temperature	90°C
Volume Solids	100%
Chemical Resistance	Acids and alkalis, aliphatic solvents and petroleum products
Application Temperature	5 to 35°C
Shelf Life	12 months

### PACKAGING

Solidwear HP Pulley 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

**Western Cape**  
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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, chests, settling tanks, cyclones, pump casings, etc.

## 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 4 mm to 6 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.

## RESISTANCE

Resists dilute acids and alkalis, aliphatic solvents and petroleum products, seawater and distilled water.

## HEALTH AND SAFETY

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.

All PPE must be worn at all times.

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 deal 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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