

SOLIDGUARD LV WEARKOTE

Brushable Wearing Compound

Solidguard LV Wearkote is a high-performance silicon carbide filled ceramic epoxy using new generation epoxy technology to combine high impact resistance with abrasion and excellent corrosion resistance.

Designed as a brushable grade wearing compound.

UNIQUE PRODUCT BENEFITS

- Chemical resistance to concentrated acids and alkalis.
- Hard wearing and resistant to abrasive slurries.
- Easy to apply with a brush.
- Self-priming on shot blasted steel with excellent adhesion.
- Smooth gloss finish which eliminates “hang up” and turbulence in pump cases and pipes.
- Solvent-free and non-flammable.
- High physical properties.

APPLICATIONS:

Recommended for abrasion resistant coating to pipes and pump casings including impellers.

Protection of slurry chutes, separators and slurry tanks. Tank linings where continuous agitation causes erosion of steel.

SUBSTRATE REQUIREMENTS

Surfaces to be treated must be free of dust, oily residues and loose friable material. Recommended surface profile is a sweep blast with surface finish of SA 2½. BS 7079 Part A1 1989 with surface profile 75 micron.

TECHNICAL DETAILS

Compressive Strength	> 80 MPa	BS6319
Tensile Strength	> 15 MPa	
Flexural Strength	> 30 MPa	
Bond Strength	> 7 MPa on shot blasted steel	
Mixing Ratio	Mix as supplied	
Pot Life	17 to 20 min. @ 20°C	
Overcoat Time	4 to 5 hrs	
Initial Cure	4 hrs @ 20°C	
Practical Cure	18 hrs	
Full Cure	7 days	
Application	Brushable	
Colour	Dark grey	
Profile	Smooth	
Finish	Gloss	
Coverage	1.8 m² / 1.5 kg kit @ 500 microns recommended 2 coats	
Dry Film Thickness	1 mm system 2 coats	
Application Temperature	8 to 30°C	
Service Temperature	80°C max dry	

INSTALLATION

This is a specialized system that must be installed by an approved applicator with documented quality assurance. Consult Technical Finishes SA for list of approved applicators.

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

Distribution facilities nationwide

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HEALTH AND SAFETY

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS Act No. 95 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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