

HHPL PCM1 CEMENT STRENGTHENER

STYRENE-ACRYLIC COPOLYMER DESIGNED TO USE AS A CEMENT MODIFIER AND A CEMENT STRENGTHENER

Description

HHPL PCM1 Cement Strengthener is a styrene-acrylic copolymer specially developed for multipurpose cement applications. It can be used as a cement modifier and as a concrete repairing mixture. It has excellent water and alkaline resistances. Its clear film is flexible, tack free and resistant to hydrolysis. It has a fine particle size for high pigment binding capacity which makes it ideal for masonry paints and textured coatings. It also delivers excellent freeze-thaw and mechanical stabilities.

Product Uses

- **Bonding Coat and Crack Repair**
- **Cement Plastering Basements**
- **Flexible Waterproofing Cement**
- **Tiles bonding**

Product Features

After mixing with Cement compound

Bonding: Excellent bonding property, will bond onto cement, sand, polyurethane, and bitumen surfaces. Therefore it can be coated over existing waterproofing membrane layer.

Flexibility: Cured coating is elastic, flexible, and very stretchable with excellent contour conforming ability

Weathering: It is a chemically stable product, resists UV ageing, temperature changes, and re-mains impermeable to water

Withstands wide temperature changes: Does not blister or soften at higher temperature; re-mains supple and flexible at lower temperature

Chemical resistance: Resistance to mild acid and alkaline solution

Tough and resilient: Resistance to mild acid and alkaline solution

Environmentally friendly: It does not contain organic solvent, does not pollute, flame resistance, safe to use

Physical and Chemical Properties

Solid content	50 ± 1 %
PH value	7.0 – 9.0
Viscosity	5000 – 10000 Cps (LVT, 4/60/26°C)
Krebs Viscosity, KU	105 – 110 (@26°C)
Working Temperature Range	-20°C to 100°C

Instruction for Application

Preparation

All surfaces where to be applied **HHPL PCM1 Cement Strengthener** should be sound, clean and dry. The preparation can be done by grinding; sanding or using high pressure water blasting this will allow permanent bonding of the mixture. A smooth finish of the concrete surfaces can also be achieved by light steel-towelling followed by a fine hair-broom. The surface should be free of dust, oil and other contaminants. Moss and lichen must be removed physically followed by treatment with fungicidal wash to kill any spores and inhibit further growth. For wall plastering, remove existing paint coatings and grease thoroughly. Chipping the surface is not necessary

Cracks

All shrinkage and non-moving structural cracks should be pre-treated with not less than a 1.0 mm. coating of **HHPL PCM 1 Cement Strengthener** extending 75mm either side of the crack. Allow to cure overnight before general application.

Application

HHPL PCM 1 Cement Strengthener should be applied by brush, trowel, or squeegee.

Mix Ratio

Mix Ratios by Volume.

	PCM1	Cement	Sand	Water
Prime / Bond Coat	3	10	-	1
Cement Plaster Coat	1	20	60	12
Waterproofing Cement Coat	1	7		As Required
Tile Bonding Coat	1	5		As Required

Curing and Protection

If use as waterproofing cement coat **HHPL PCM1 Cement Strengthener** membrane must be cured for a minimum of 24hours @ 25°C before placing protection. Where damage to the membrane is possible (by traffic or backfilling, etc.) it should be protected by a cementitious screed or protection boards. A dust coat of cement should be used to prevent sticking of the membrane with protection placement.

Supply and Coverage

Supply 5kg / 10 kg

Coverage Depends on the surface and the mix ratio

MATERIAL SAFETY DATA SHEET



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Product Information and Company Identification

Product Identification	HHPL PCM1 Cement Strengthener
Product Use	Cement Modifier, Strengthener
Company Identification	HENDRICKS Holdings Private Limited 114/2, Thumbowila, Piliyandala Sri Lanka
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First Aid Measures

Swallowed

Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Eye



If this product comes in contact with eyes, Wash out immediately with cold water immediately for at least 15 minutes. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin



If skin or hair contact occurs, Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

Inhaled



If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.

Advice to Doctor

No specific antidote. Treat symptomatically.

Accidental Release Measures

Spills Confine the spill to a small area. Use a commercial kit or absorbent material to absorb spilled materials. Place spilled material in a container for disposal.

Handling, Storage and Shelf Life

Handling Keep out of reach of children. Harmful if swallowed. Causes eye irritation and skin sensitivity. Avoid eye, skin & clothing contact. After work, remove protective clothing and equipment, wash hands before eating, drinking, Smoking or using toilet. Wash clothing after use.

Storage Do not mix or store in galvanized or unlined steel vessels. Store in tightly closed original container in a cool, dry, well-ventilated and secure area when not in use. Do not store with food, feedstuffs, Seed or fertilizers. Once open, use within one month and make sure to keep it sealed within the original container.

Shelf life

HHPL PCM1 Cement Strengthener has a shelf life of 8 months if kept below 25°C in the original, unopened condition.

Disposal Considerations

Disposal Method

Triple rinse empty containers before disposal. Do not burn empty containers that have not been rinsed. Burn in an appropriate incinerator if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitably approved landfill. Do not dispose of this product down drains or sewers. Follow all local, regional and national laws and regulations regarding hazardous waste disposal.

Transport Information

Transport limitations

Do not carry this product on a public passenger vehicle. No limitation on non-passenger vehicles. Must be transported in original sealed and labeled container.

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