



STARSEAL HD

Silane Siloxane based heavy duty Water repellent

DESCRIPTION

STARSEAL HD is a single component 100% active Silane Siloxane based water repellent, which yields a micro emulsion immediately upon diluting with water. This micro emulsion provides excellent water repellency when impregnating or priming mineral and even alkaline substrates.

STARSEAL HD is formulated to treat a variety of mineral substrates like architectural concrete, concrete blocks, split face blocks, pavers, stucco, porous and dense brick/clay tiles.

STARSEAL HD provides water repellence within 24 hours of application. The repellency improves considerably after one week of application.

Complies with Federal Specification SS-W-1 10C.

ADVANTAGES

- Does not contain solvent, surfactant and is environmentally compatible.
- Provides excellent water repellency and hence reduces freeze-thaw damage, cracking, spalling, chemical degradation and dirt pick up. This increases the life of the substrate and reduces maintenance cost.
- Excellent penetration in all absorbent mineral building materials.
- High alkali resistance.
- The pores and capillaries are not sealed and the breathability is maintained while preventing water absorption.
- There is no change in appearance of the substrate after application.

RECOMMENDED USES

- Surface treatment of absorbent, mineral and even alkaline substrates, such as natural stone, brick, concrete and sand-lime bricks, as well as for mineral paints and stuccos.
- Making aerated concrete water repellent
- Low-fired clay products immediately after they have been made, e.g., roof tiles, facing bricks, floor tiles, and flower pots.
- Injection into buildings just above ground level to form a damp resistant course.
- Surface treatment for concrete.

- Additive for clays, ceramics, starches, latex paints
- Primer for emulsion paints and plasters.
- Making plastered surface water repellents.
- Making gypsum boards water repellents.

TECHNICAL DATA

Product	STARSEAL HD
Appearance	Clear to Hazy
Colour	Yellow to reddish
Odor	Alcoholic to Saur
Viscosity(cst)	1.20
Silane/Siloxane %	100%
Specific gravity @25°C	1.06
Dilution Ratio	1:10 water
Self Life(unopened container)	12 Months

METHOD OF APPLICATION

As water repellent:

STARSEAL HD should be diluted with potable water. Water with high mineral content should never be used for dilution. Dilute only the required quantity for use. Diluted solution should be applied in two coats (wet on wet) by brush or by spray.

The surface should be free from oil, dust, grease, loose particles, decayed matter, algae & moss growth. A dry surface is preferable though dampness is not detrimental. Joints between brick-work should be smooth.

Generally two coats of are sufficient. Best results are obtained through spray. Care should be taken to avoid spillage of on glass panes as the same may get stained. Flooding also gives good results on horizontal surfaces.

As a barrier against rising dampness:

STARSEAL HD is also used to provide a barrier against rising dampness where there is no damp proof course (DPC) or where the existing damp proof course has failed. After removing the plaster to a height of 30 cm above the rising damp,

10-16mmholes are drilled at intervals of 15-17cm along the selected course to a depth of at least half but no more than 2/3rd of the thickness of the wall horizontally or at an angle of depression (25 C to 45 C). Diluted **STARSEAL HD** is then injected into the masonry under the action of gravity or via pressure to completely saturate the injection zone. Re-plastering should be done after 14 days of grouting in the walls. Gypsum plaster should not be used in such cases

SAFETY

STARSEAL HD is safe, non-toxic, and eco-friendly and presents no health hazard. As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles

INHALATION: Inhalation of vapor or mist should be avoided. Symptoms include coughing, wheezing, Laryngitis and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency help.

EYE CONTACT: Flush eyes with water for 15 minutes and call for medical help.

INGESTION: causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce.

SKIN CONTACT: Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

STORAGE

Minimum 12 months in unopened conditions. Store away from sunlight and preferably below 30°C.

PACKING

20 Ltr HDPE DRUMS

Technical Support:



& Polymertech UK Ltd.
CN-07468396
United Kingdom

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Marketed By:



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(ISO 9001:2000)