



HS RISING DAMPSTOP

Protection for Rising Dampness of walls for interior & exterior

Description

It is a solvent free silicone micro-emulsion concentrate based on silanes & siloxanes that is diluted with water to yield microemulsions. The dilute aqueous solution of **HS Rising Dampstop** serves as a high-quality, general -purpose water repellent for impregnating and priming mineral and even alkaline substrates.

HS Rising Dampstop serve also as chemical damp proofing agent in diluted aqueous solution.

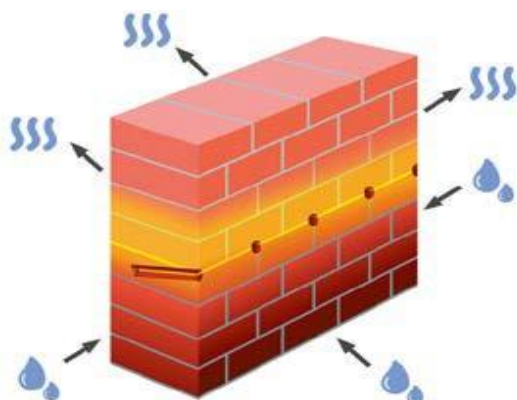
Uses

- When diluted, it generates a white colored micro-emulsion which impregnates in the absorbent materials. It is not a vapour barrier, water and chloride-ion repellent.
- Can be used to treat concrete bridges, roadways, runways, parapet walls, precast, beams, columns, curbing, retaining walls, pavers etc. as a penetrative sealer.
- Treatment can be done for both new & existing structures.
- Chemical injection for rising dampness in masonry structures
- Porous architectural wall panels and
- Also, can be used on steel reinforced structures to reduce the corrosion and latent damage potential of chlorides.

Chemical Damp proofing

Chemical damp proofing involves the injection of diluted HS Rising Dampstop directly into the masonry wall through Drilled holes.

The micro-emulsion forms permanent bond to yield a highly efficient horizontal barrier. This puts a stop to capillary rising and any associated transport of harmful substances, allows the wall to dry out. It provides lasting protection for buildings.



The yellow line indicates the horizontal barrier.

- The bores should be done 30 cm above the ground level.
- Centre to centre distance of the bores should not be higher than 15 cm. for proper overlapping of the injected material.
- Bore should done with an inclination of approximate 30° angle.

Application Sequence for Chemical Injection:

- Cleaning of the substrate & levelling if needed for proper depth calculation.
- Measurement of the drilling depth
- Drilling should be done at 30degree angle of inclination & not higher than 30 cm from the ground level. The bore distance horizontally should not be higher than 15 cm center to center for proper overlap of the chemical.
- Bore depth should ideally be not less than 90% of the wall width.
- Cleaning of the bores with long handle brush.
- Insert the packing rod in the bores.
- Fixing of plastic tube on the bore hole mouth with quick setting mortar
- Prepare the micro-emulsion with 1:1 water.
100 ml HS Rising Dampstop : 100 ml potable water.
- Injection of the micro-emulsion with syringe @ 200 ml per bore hole. The absorption characteristics may change depending on the condition of the substrate.
- After 24-48 hour the tubes along-with the mortar can be removed through chisel.
- Levelling of the wall with mortar/plaster. The packers can be taken off from the bore hole or may be kept inside.

The material is supplied in a kit with all necessary tools, other than the drill bit .

N.B: For all other application as mentioned in the usage, the diluted micro-emulsion can be applied by brush or spray.

Technical Data

Basis	: Silane-Siloxane micro-emulsion
Appearance	: Clear yellowish to amber liquid
Specific Gravity	: approx.. 0.95 – 0.97 g/cc

Shelf Life/Storage

In unopened , undamaged original container , protected from direct sunlight and frost at temperatures At +1⁰C to +35⁰C, shelf life is at-least 1 year from the date of manufacture.

It is always advised to keep the materials away from direct sunlight for a prolonged Period of time beyond 4 months.

Packaging : Composite pack within a box.

HS RISING DAMPSTOP CONCENTRATE 100 ML .

Important

The information given in this data sheet is based on experience and is correct to the best of our knowledge . However ,since success of application of our products is dependent on number of factors , we only can be responsible for quality of our products at the time of dispatch .

In the event of any doubt on any critical parameter, it is advisable to seek clarification from our technical personnel .

Safety Instructions

Safety Precautions

Accidental splashes onto skin must be washed off with water and soap . In contact with eyes or mucous membrane , rinse with clean warm water and seek medical attention without delay .

Ecology

Do not dispose of into water or soil , but it is advisable to do it as per local regulations .

Toxicity

Non-toxic under the relevant local health & safety codes

Transport

Non hazardous .

DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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