

WATERFOAM-FHF

Product Data Sheet

Heavy duty, low flexibility, low expansion polyurethane foam, one component, low viscosity, injection resin.

Description

WATERFOAM-FHF is a one-component polyurethane, hydrophobic resin, which reacts with water to produce an inflexible, heavy duty grout suitable for waterproofing and sealing cracks and joints of concrete surfaces, and for effectively stopping water leaks.

Recommended for use on concrete subject to severe structural movements (seismic activity), vehicular traffic, etc. Application is by one component injection pump.

Recommended For

Stopping water leaks in such structures as:

- Foundations,
- Below-grade structures, e.g. garages,
- Tunnels & underpasses,
- Sewage systems,
- Tanks,
- Waterways & dams.

Features & Benefits

- Effective sealer of cracks & voids in concrete, especially in joints.
- Of low viscosity: Deep penetration with minimal pressure.
- Produces a low-flexible, low expansion & completely hydrophobic foam.
- Easy to apply: One-component with a very reasonable pot-life.
- Highly resistant to fungi and other microorganisms.
- Friendly to the user and the environment: Contains no solvents or propellant gasses – safe to store, transport and use.

Application Procedure

Clean the substrate using a high-pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must also be removed. Large voids can first be sealed using **HYPERSEAL®-25LMS**.

- ✓ **Mixing:** First, mix **WATERFOAM-FHF** with **WATERFOAM Catalyst**. The proportion of catalyst added ranges from 1 - 10%, subject to temperature and humidity of the substrate. Prior to application, the mix should not be subjected to humidity, i.e. the container must be covered, to avoid a premature start of the reaction process.
- ✓ **Application:** Starting from minimum, gradually increase pump pressure until reaching the desired rate of injection. Its level depends on the size of the cavity to be filled and the condition of the substrate in general.

Cleaning

As soon as application is finished, equipment must be cleaned using **SOLVENT-WF SPECIAL** immediately. Using other cleaning agents is not recommended as they may cause remains of **WATERFOAM** to solidify.

Shelf Life

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25°C. Once opened, use as soon as possible.

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Safety Information

WATERFOAM-FHF contains no solvents, is, nevertheless, classified as harmful. Nevertheless, you are advised to observe the standard safety rules: Apply using safety gloves and clothing. The MSDS (Material Safety Data Sheet) is available on request.



Packaging

5 lt, 20 lt, and 200 lt drums.



Technical Specifications

WATERFOAM-FHF

Property	Units	Method	Specification
Form	-	-	yellowish liquid
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25°C	350-450
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C	1.05-1.15
Flash point	°C	ASTM D93, closed cup	>110
Tack free time (25 °C) & 55% RH – subject to proportion of catalyst in the mix.	hours	-	2

WATERFOAM-Catalyst

Property	Units	Method	Specification
Form	-	-	liquid, light yellow in colour
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25°C	60
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C	0.94
Flash point	°C	ASTM D93, closed cup	>110

For more information on Hyperdesmo & Hyperseal range of products and application methods

Please contact Alchimica Technical Service at info@alchimica.co.in

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