



DATASHEET

HYDROFOM[®] 200

Single Component Polyurethane Injection Grout for Water Tight Sealing

DO YOU KNOW?

Concrete is an inexpensive, readily available, versatile, strong material available for more than 100 years. But, it is also a hard sponge; hydrophilic and soaks up water. A waterproofing system is needed to stop water from getting in, and from damaging rebar in the concrete.

PRODUCT DESCRIPTION:

HYDROFOM[®]-200 is an advanced polyurethane based single component injection grout, used for stopping leaking water from concrete structure. In contact with water, stable, flexible but hard, uniform foam structure is formed.

USES:

- HYDROFOM[®]-200 is used for permanent watertight sealing within damp or leaking concrete, stone or brickwork.
- It can be used in water-leaking cracks under hydrostatic pressure along with HYDROFOM[®]-100.

HYDROFOM[®] -200 has application in following structures:

- Protection for walls and slabs
- Above and below grade construction
- Water containment Structures
- Sewage and wastewater treatment plants
- Bridges, dams and highway infrastructure
- Secondary containment structures
- Underground vaults
- Tilt-up panel walls
- Precast components
- Architectural water features and fountains
- Aquatic centers, marinas and zoos
- Swimming pools
- Where waterproofing and corrosion protection is required.



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TYPICAL PROPERTIES:

- HYDROFOM[®]-200 is permanently elastic hence can absorb slight movements. It is non-shrink under dry conditions.
- Because of low viscosity, HYDROFOM[®]-200 can penetrate into fine cracks.
- The product is environmentally friendly, usable in ground water protection.
- HYDROFOM[®]-200 offers deep penetration into very small cracks. The foam increases in volume to fill cavities and voids.
- HYDROFOM[®]-200 offers a good adhesive strength and it is tolerant of movement. It is inert after curing and has got a constant volume with no shrinkage.

TECHNICAL PROPERTIES

Properties	Results
Form	Liquid Type
Color	Dark Brown
Soluble in water	Hydrophobic
Density (g/ml)	1.12
Viscosity	100-200 mPa·s
Max. Expansion (25°C)	2,700 % [Ratio 10:1 Resin: Water]
Induction Time (25°C)	15 sec [Ratio 2:1 Resin: Water]
Gel Time (25°C)	110 sec [Ratio 2:1 Resin: Water]
Tensile Shear Strength (23°C)	4 N/mm ²
Appearance	Light yellow Polyurethane Foam
Corrosiveness	Non-Corrosive
Chemical Resistance	Resistant to most organic Solvent, Mild Acids, Alkali

PACKING GUIDELINES

10 kg/ 20 kg Pail.



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USAGE GUIDELINES:

Pour the material to the pump feeding container and pump it into structure.

Wash the pump with suitable cleaning material.

NOTES:

Contact the Technical Services Department for further details.

SHELF LIFE

- 1 Year in tightly sealed container.
- Stored at a temperature of 0 to 30°C from the date of import.
- Up to 3 months for reuse on opening the seal but keeping material in a moisture free closed container.

WARRANTY

Multichem warrants HYDROFOM[®]-200 to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of HYDROFOM[®]-200.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of HYDROFOM[®]-200.

Because of constant improvement of manufacturing techniques and formulations, the Company reserves rights to change this datasheet and its contents without prior notice.



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