



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®-201 is a single component polyurethane, hydrophobic resin, which reacts with water to produce a flexible grout suitable for waterproofing and sealing cracks and joints of concrete surfaces, it effectively stopping water leaks. It is recommended for use on concrete elements subject to structural movements whereas Application is by one component injection pump.

USES:

- HYDROFOM®-201 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® -201 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.



HYDROFOM[®] 201

Single Component Polyurethane flexible grout

TYPICAL PROPERTIES:

- HYDROFOM[®]-201 is effective sealer of cracks & voids in concrete, especially in joints and undergoes deep penetration with minimal pressure.
- HYDROFOM[®]-201 produces a flexible & completely hydrophobic foam which is easy to apply. It is highly resistant to fungi and other microorganisms. Friendly to the user and contains no solvents or propellant gasses. It is safe to store, transport and use.

TECHNICAL PROPERTIES

(I) HYDROFOM[®]-201 Base:

Properties	Results
Form	Liquid Type
Color	Dark Brown
Soluble in water	Hydrophobic
Density (g/ml)	1.10±0.05
Viscosity	400± 50mPa·s
Tack free time	2 Hrs
Appearance	Brownish Yellow Liquid
Corrosiveness	Non-Corrosive
Chemical Resistance	Resistant to most organic Solvent, Mild Acids, Alkali
Flash point	>110°C

(II) HYDROFOM[®]-201 Catalyst:

Properties	Results
Form	Clear Liquid Type
Viscosity	100± 50mPa·s
Density(g/ml)	1.0±0.05



PACKING GUIDELINES

5 kg/ 10 kg/ 20 kg Pail

USAGE GUIDELINES:

1) MIXING

- Firstly, mix **HYDROFOM®-201** with Catalyst. The proportion of catalyst added ranges from 5% to 10.0%, 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, so as to avoid a premature start of the reaction process.

2) 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.

3) CLEANING

- As soon as application is finished, equipment must be cleaned immediately with solvents. Using other cleaning agents is not recommended as they may cause remains of to solidify. The material to the pump feeding container and pump it into structure.

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.
- Once opened, use as soon as possible.



HYDROFOM[®] 201

Single Component Polyurethane flexible grout

WARRANTY

Multichem warrants HYDROFOM[®]-201 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[®]-201.

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[®]-201.

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