

Description

is a single component hydrophilic polyurethane based on MDI in combination with polyether polyols. The system only reacts when it comes into contact with water, producing a Super Flexible polyurethane seal.

Benefits

- Can withstand high hydrostatic pressures
- Low expansion rate
- Very flexible
- Reacts with saline and mineral water
- Medium viscosity
- Solvent free, environmentally safe, MDI based

General Application

- Sealing against water ingress
- Sealing against leaking cracks and joints
- Sealing against water in masonry and brickwork
- Sealing of tunnel gaskets

Application Guidelines

Galaxie PU SF MDI is a complete system for leak sealing in concrete or masonry structures.

Reaction with moisture results in the formation of a flexible polyurethane seal which is hydrophilic and chemically resistant. The reaction times varies from 90 sec to 3 minutes dependant on temperature.

The resin can be pumped by means of a single component injection pump that is equipped for high pressure. Following the injection, the pump must be thoroughly cleaned with Galaxie PU Cleaner.

Note: Always make sure that the material is homogeneous, mix Galaxie PU's using a dry clean drill and paddle for a minimum of 2 minutes before use or shake the drum until its fully mixed.

It is recommended that the material be conditioned to appropriate temperatures for at least 12 hours prior to application.

Important: Keep containers sealed whilst not being used. Moisture may be absorbed into the Galaxie PU SF MDI from the atmosphere causing it to react. Careful consideration should be given to applications below 10°C on a falling thermometer to avoid possible crystallisation.

Please contact Galaxie chemicals for more detailed information on resin injection techniques.

Technical Data

GALAXIE PU SF MDI	
Appearance	Opaque Liquid
Viscosity	350-550 Cps @ 25°C
Density	1.18 @ 25°C
Flash point	>150°C

Galaxie PU SF MDI mixed 1:1 with water			
	Cream Time	Rise Time	Expansion
10°C	80sec	180sec	>300%
20°C	55sec	130sec	>400%
25°C	50sec	98sec	>500%
30°C	42sec	90sec	>600%

Packaging

Galaxie PU SF MDI is supplied in 5kg, 20kg and 200kg drums.

Storage

Galaxie PU SF MDI should be stored at room temperature (min 10°C and max 35°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.

Health & Safety

Galaxie PU SF MDI should only be used as directed. We always recommend that the Safety Data Sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. Please contact Galaxie or your local representative for the current SDS.

