

Description

Galaxie PU FlexGel is a 2-component polyurethane resin, which forms a highly resilient flexible gel. Galaxie PU FlexGel does not foam even when it is pumped under water. It will displace the water and set to form a resilient waterproof gel

Benefits

- Highly flexible
- Will accommodate structural movement
- Impervious to water
- Exceptional bond strength
- Good chemical resistance
- Solvent-free
- Swells up to 5%

General Application

- Liquid gaskets
- Sealing leaking cracks and joints
- Brick and masonry grouting
- Void filling
- Flexible secondary injection
- Duct sealing
- Pipe joints

Application Guidelines

We recommend that the material is injected under pressure. The relatively slow cure time of the material enables the use of a single piston pump if used cautiously. Galaxie PU FlexGel can be used where the foaming characteristics usually found in polyurethane would prove detrimental to the application. The material will displace water leaving itself as an elastomeric seal against further water ingress.

Mixing

Mix the individual components Part A and Part B separately using a slow speed dry clean drill and paddle mixer for approx. 30 seconds. Mix thoroughly 2 parts of Part A with 1 part of Part B by volume in a large dry mixing container (plastic preferred), until a uniform colour is achieved or use a suitable 2:1 ratio pump.

Important: Keep containers sealed whilst not being used. Moisture may be absorbed into the resin from the atmosphere causing it to react.

Note: Always make sure that the material is homogeneous, shake well before use.

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

Careful consideration should be given to applications below 10°C on a falling thermometer to avoid possible crystallization

Technical Data

| GALAXIE PU FlexGel | |
|--------------------|--------------------|
| Appearance | Light Brown Liquid |
| Viscosity | 280 - 350cps |
| Density | 1,06 |
| Elongation | >80% |
| Pot life (85gm) | 50 minutes |
| Flash point | >150°C |
| Final Cure | 3 days |

All technical data stated herein is based on tests carried out under laboratory conditions at 25°C

Packaging

Galaxie PU FlexGel is supplied in 7.5kg packs
Packaging size may vary subject to local regulations and requirements.

Storage

Galaxie Pu's 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 FlexGel 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.

