

Semi-Flexible, Fast Reacting, Single-pack Polyurethane Grout

## DESCRIPTION

TamPur 138 is a single-pack, MDI based, low viscosity polyurethane grouting system. The resin reacts vigorously when it comes into contact with water, producing a semi-flexible polyurethane foam.

## KEY BENEFITS

- > Effective water stopping due to fast reaction
- > Solvent free, environmentally safe
- > Good bond strength to wet substrates
- > Reacts to form a permanently semi-flexible polyurethane foam
- > Saline and sea water tolerant
- > Low viscosity
- > Suitable for applications in potable water areas

## TYPICAL APPLICATIONS

- > Sealing off water ingress
- > Sealing against leaking cracks and joints
- > Sealing against water in masonry and brickwork
- > Void filling and stabilisation of fractured structures
- > Back grouting

## TECHNICAL DATA

TamPur 138	
Appearance	Brown liquid
Viscosity at 25°C Brookfield DV 11 spindle no. 2 at 12 rpm	300 - 380 mPa·s
Flash point	> 180°C
Density at 25°C	1.11 - 1.14
TamPur 138	
All tests carried out using the following mix ratio. 10:1 by weight (TamPur 138:Water)	
Start of Foaming	
15°C	< 20 sec
25°C	< 10 sec
Full Rise	
15°C	< 5 min
25°C	< 3 min
Foaming Ratio	
15°C	> 20X
25°C	> 30X

All technical data stated herein is based on tests carried out under laboratory conditions.

## APPLICATION GUIDELINES

TamPur 138 is a fully formulated resin for water stopping, the start of reaction is dependent on varying temperature.

Reaction with water results in the formation of dense, closed cell polyurethane foam, which is permanently semi-flexible and chemically resistant. The curing time varies with changing temperature and amount of water present (see table of reaction time above). After opening the packaging, the resin can be pumped by means of a single-component, high pressure injection pump. Immediately following the injection, the pump must be thoroughly cleaned with TamPur Cleaner or TamPur Ecoclean.

Note: Do not re-mix resin prior to injection. Always make sure that the material is protected against dropping water and humid air. Once open the entire material from the drum should be used.

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

**Important:** Keep containers sealed while not being used. Moisture may be absorbed into the TamPur 138 from the atmosphere causing it to react and forming a hard skin on top. Careful consideration should be given to the use of the material below 15°C. Although TamPur 138 does not crystallise, the speed of reaction may be adversely affected below 15°C.

## PACKAGING

TamPur 138 is supplied in 18 kg drums. Packaging size may vary subject to local regulations and requirements.

## STORAGE

TamPur 138 should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of six months can be expected.

## HEALTH & SAFETY

TamPur 138 should only be used as directed. We always recommend that the Safety Data Sheet (SDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety Data Sheet is available upon request from your local Normet representative.