

Single Component Semi-Flexible Polyurethane Grout

DESCRIPTION

TamPur 136 is a single component hydrophobic polyurethane based on MDI in combination with polyether polyols. The system incorporates an active accelerator and only reacts when it comes into contact with water, producing a non-toxic, semi-flexible polyurethane foam.

KEY BENEFITS

- › Environmentally safe, non-toxic
- › In built accelerator
- › Semi-flexible
- › Reacts with saline and mineral water
- › Low viscosity

TYPICAL APPLICATIONS

- › Sealing against water ingress
- › Sealing against leaking cracks and joints
- › Sealing against water in masonry and brickwork
- › Back grouting

TECHNICAL DATA

TamPur 136	
Appearance	Brown liquid
Density at 25 °C	1.18 ± 0.05 g/cm ³
Viscosity at 25 °C Brookfield DV 11 spindle no. 2 at 60 rpm	250 - 500 mPa·s
Flash point	> 202 °C

Testing TamPur 136 – All tests carried out using the following mix ratio.

TamPur 136: 100 parts by weight

Water: In all tests, 10 parts by weight.

TamPur 136, tested at 25°C	
Colour	Brown
Density	1.121 g/cm ³
Viscosity	530 mPa·s, spindle 62 at 60 rpm

TamPur 136, tested at 25°C				
Reaction	Cream	Rise	Tack Free	Expansion
Water 2%	25 sec	210 sec	Max. 650 sec	> 8x
Water 5%	30 sec	250 sec	Max. 700 sec	>10x
Water 10%	45 sec	300 sec	Max 750 sec	>12x

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

APPLICATION GUIDELINES

TamPur 136 is a complete system for leak sealing in concrete or masonry structures.

Reaction with water results in the formation of a semi-flexible polyurethane foam which is hydrophobic and chemically resistant. TamPur 136 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 TamPur EcoClean.

Note: It is recommended that the resin drum is rolled or shaken before use. Always ensure the mixture is homogenous. Mix the resin using a dry clean drill and paddle mixer for a minimum of 15 seconds before application.

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 TamPur from the atmosphere causing it to react. Careful consideration should be given to application to below 10 °C on a falling thermometer to avoid possible crystallisation.

If voids and cavities must be filled, we advise using our TamPur 117. TamPur 117 is designed for economic filling of voids and cavities. Void filling should be undertaken in stage/lifts, this will reduce the exothermic heat generated during the reaction stage. Polyurethane grout can't be used as void/cavity filling material. Please contact your local Normet representative first, if void/cavity filling is the planned application.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.

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PACKAGING

TamPur 136 is supplied in IBCs, drums and bulk. Packaging size may vary subject to local regulations and requirements, please contact your local Normet representative for more details.

STORAGE

TamPur 136 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 one year can be expected.

HEALTH & SAFETY

TamPur 136 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 Health & Safety data sheet is available upon request from your local Normet representative.