

TamPur 130 (ECO Range)

Semi-Flexible Polyurethane Grout

DESCRIPTION

TamPur 130 is part of our new ECO range and is a single component, high foaming, semi flexible water reactive polyurethane injection resin. TamPur 130 (ECO Range) has been formulated to effectively seal cracks and joints in construction that exhibit a degree of movement, forming a semi flexible, closed cell foam sealant. The reaction speed of the resin can be adjusted using TamKat 130 providing flexibility on the job site. TamPur 130 (ECO Range) is phthalate free and environmentally friendly.

TamPur 130 (ECO Range) is tested according to EN1504-5 in compliance with CE-marking.

KEY BENEFITS



- › Phthalate free, environmentally safe, non-toxic
- › Variable reaction times
- › Semi-flexible
- › Reacts with saline and mineral water
- › Medium viscosity

TYPICAL APPLICATIONS

- › Sealing against water ingress
- › Sealing against leaking cracks and joints
- › Sealing against water in masonry and brickwork
- › Filling of small voids*
- › Back grouting

* Please contact your local Normet representative first if this is the planned application.

TECHNICAL DATA

| TamPur 130 (ECO Range) | |
|--|------------------------|
| Appearance | Brown liquid |
| Density at 25°C | 1.21 g/cm ³ |
| Viscosity at 25°C Brookfield DV 11 spindle no. 2 at 60 rpm | 300 - 400 mPa·s |
| TamKat 130 | |
| Appearance | Clear liquid |
| Density at 25°C | 1.02 g/cm ³ |
| Viscosity at 25°C Brookfield DV 11 spindle no. 2 at 60 rpm | 40 - 55 mPa·s |

Testing TamPur 130 (ECO Range) – All tests carried out using the following mix ratio.

TamPur 130 100 parts by weight

(ECO Range):

TamKat 130: As a percentage of TamPur 130 by weight, as stated in the results

Water: In all tests, 10 parts by weight

| Temperature | TamKat 130 Dose Level | | | |
|----------------|-----------------------|------------------|-----------------|-----------------|
| | 2.5% | 5% | 7.5% | 10% |
| Cream time | | | | |
| 15°C | 45 - 50 sec | 28 - 29 sec | 17 - 19 sec | 14 - 16 sec |
| 25°C | 55 sec | 20 sec | 17 - 18 sec | 14 - 15 sec |
| Rise time | | | | |
| 15°C | 8 min 5 sec | 4 min 15 sec | 2 min 55 sec | 2 min 15 sec |
| 25°C | 6 min 50 sec | 3 min 20 sec | 2 min 20 sec | 1 min 45 sec |
| Tack free time | | | | |
| 15°C | 39 min | 12 min 55 sec | 7 min 35 sec | 4 min 10 sec |
| 25°C | 9 min | 8 min 10 sec | 6 min 40 sec | 5 min |
| Expansion Rate | | | | |
| 10°C | 8X | 11X | 15X | 28X |
| 15°C | 9X | 14X | 20X | 29X |
| 25°C | 10X | 15X | 25X | 30X |
| 35°C | 10X | 20X | 25X | 30X |

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



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. Formerly known as TamPur 130.

TamPur 130 (ECO Range)



CONSTRUCTION CHEMICALS

TECHNICAL DATA SHEET

Semi-Flexible Polyurethane Grout

APPLICATION GUIDELINES

TamPur 130 (ECO Range) / TamKat 130 is a complete system for leak sealing and filling of small voids in concrete or masonry structures.

Adaptable reaction time is possible by varying the catalyst ratio from between 2% to 10%.

Reaction with water results in the formation of a semi-flexible polyurethane foam which is hydrophobic and chemically resistant. The reaction time can be set from 1 to 40 minutes (See table of reaction times). The pre-mixed resin can be pumped by means of an appropriate single component injection pump that is equipped for high pressure. Following the injection, the pump must be thoroughly cleaned with TamPur Cleaner. If you need any further information about pumps and accessories, please contact your local Normet Representative.

Note: 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 applications below 10°C on a falling thermometer to avoid possible crystallisation.

Void filling should be undertaken in stage/lifts, this will reduce the exothermic heat generated during the reaction stage. If big voids and cavities must be filled, we advise using our TamPur 117. TamPur 117 is designed for economic filling of big voids and cavities.

PACKAGING

TamPur 130 (ECO Range) 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 130 (ECO Range) / TamKat 130 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 130 (ECO Range) 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.