

Two-Component High Strength Polyurethane Grout

DESCRIPTION

TamPur 125 E slow/ultra-slow is part of our new ECO range and is based on a polyol component (Part A) and a polymeric MDI (Part B). When mixed, a high strength hydrophobic polyurethane is formed which is tough, rigid and resistant to a wide range of chemicals. TamPur 125 E slow/ultra-slow (ECO-Range) has a longer open time allowing for greater penetration into fine voids and fissures. By accelerating reaction times using TamKat 125 E (ECO-Range), it reacts rapidly enabling the product to cut off large water leaks.

KEY BENEFITS



- › High compressive strength
- › High bond strength
- › Slow to ultra-slow reaction to provide superior penetration and permeation capability
- › Rapid reaction for fast water cut off if accelerated with the addition of TamKat 125 E (ECO-Range)
- › Formulated to foam upon contact with water
- › Non-foaming without contact with water, forming a compact, high-strength polyurethane mass
- › Solvent free, environmentally safe

TYPICAL APPLICATIONS

- › Suitable for crack injection
- › Stabilisation of concrete slabs
- › Ground consolidation
- › Extreme water ingress (if accelerated)

TECHNICAL DATA

| TamPur 125 E slow / ultra-slow (ECO-Range) | | |
|--|----------------------------|---------------------|
| | Component A | Component B |
| Colour | Clear - slightly yellowish | Brown |
| Density | 1.02 kg/ltr (±0.04) | 1.22 kg/ltr (±0.05) |
| Flash point (approx.) | > 140°C | > 230°C |
| Viscosity | 180 - 310 cps/mPas | 170 - 290 cps/mPas |
| All at 25°C | | |
| Mix A:B at 1:1 ratio by volume | | |
| Reaction times | Slow set | Ultra-slow set |
| 25°C | 105 – 125 sec | approx. 50 mins |
| Mechanical Properties | | |
| Compressive strength (EN 196-1) | | > 60 MPa |
| Tensile strength (EN 527-3) | | > 40 MPa |

Note: Careful consideration should be given to applications below 10°C on a falling thermometer to avoid possible crystallisation.

Accelerated reaction times are achievable with the addition of TamKat 125 E (ECO-Range). All technical data stated herein is based on tests carried out under laboratory conditions.

APPLICATION GUIDELINES

Components A and B of TamPur 125 E slow/ultra-slow (ECO-Range) are delivered ready to use. They are injected in the ratio of 1:1 by volume using a two-component injection pump equipped with a static in-line mixer. 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.
- › The curing reaction time will vary depending on the temperature of the TamPur 125 E slow/ultra-slow (ECO Range) resin, injected medium, and the groundwater. Both components should be stored above 10°C prior to 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. Formerly known as TamPur 130.

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To achieve thorough mixing of the resin during injection, using a static in-line mixer in connection with the mixing head is essential. The length of the static mixer should be at least 300 mm long.

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

When the material has cured it forms a rigid polyurethane resin. However, the material will react when combined with water to form a rigid foam.

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.

Please contact your local Normet representative should you require any further information regarding the suitability or application of this product.

PACKAGING

TamPur 125 E slow/ultra-slow (ECO-Range) is supplied in 20-liter drums. Packaging size may vary subject to local regulations and requirements. Other packaging is available on request.

STORAGE

TamPur 125 E slow/ultra-slow (ECO-Range) 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 125 E slow/ultra-slow (ECO-Range) should only be used as directed. We always recommend that the Safety Data Sheet (SDS) is carefully read prior to the 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.