

# TamPur 125 (ECO Range)

Two-Component Rapid Setting Polyurethane Grout

## DESCRIPTION

TamPur 125 is part of our new ECO range and is a two component, high foaming, high strength polyurethane injection resin formulated to provide fast effective water cut off. TamPur 125 (ECO Range) forms a strong rigid cell structure upon reaction providing resistance against high hydrostatic pressure. TamPur 125 (ECO Range) is phthalate free and environmentally friendly.

TamPur 125 (ECO Range) is tested according to EN1504-5 in compliance with CE-marking.

## KEY BENEFITS



- › Phthalate free, non-toxic
- › High foam strength
- › Rapid reaction
- › Good bond strength
- › Medium viscosity
- › Solvent free, environmentally safe

## TYPICAL APPLICATIONS

- › Extreme water ingress
- › Filling of small voids\*
- › Dry fissure grouting
- › Foundation stabilisation

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

## TECHNICAL DATA

| TamPur 125 (ECO Range) Part A                  |        |
|--|--------|
| Colour   | Opaque |
| Density  | 1.05   |
| Mix ratio (A:B by volume)                      | 1:1    |
| TamPur 125 (ECO Range) Part B                  |        |
| Colour   | Brown  |
| Density  | 1.23   |
| Mix ratio (A:B by volume)                      | 1:1    |
| TamPur 125 (ECO Range) Mixed at a ratio of 1:1 |        |
| Colour   | Brown  |
| Density  | 1.1    |
| Final cure                                     | 1 day  |

| TamPur 125 (ECO Range) Mixed at a ratio of 1:1                |                 |         |
|---|-----------------|---------|
| Viscosity @25°C<br>Brookfield DV 11 spindle no. 2 at<br>60rpm | 300 - 400 mPa·s |         |
| Elongation at break   | 3 - 4%          |         |
| Expansion   | Up to 16 times  |         |
| Slant shear bond strength BS6319-4                            | 12.9 MPa        |         |
| Reaction Times (1:1)  | @ 15°C          | @ 25°C  |
| Cream time  | 50 sec          | 30 sec  |
| Rise time   | 120 sec         | 90 sec  |
| Tack free time  | 180 sec         | 110 sec |

Slow and Fast set versions are available upon request. Accelerated reaction times are achievable with the addition of TamPur Accelerator.

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

## APPLICATION GUIDELINES

Components A and B of TamPur 125 (ECO Range) are delivered ready-to-use. They are injected in the ratio of 1:1 by volume using an appropriate 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 (ECO Range) resin, injected medium and the ground water. Both components should be stored above 10°C prior to application.

To achieve thorough mixing of the resin & catalyst during injection, use of 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.



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 125.

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**CONSTRUCTION CHEMICALS**

TECHNICAL DATA SHEET

Two-Component Rapid Setting Polyurethane Grout

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 125 (ECO Range) is supplied in 45 kg packs. Packaging size may vary subject to local regulations and requirements.

## STORAGE

TamPur 125 (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 (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.

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