TamPur 125

Two-Component Rapid Setting Polyurethane Grout

normet
CONSTRUCTION CHEMICALS
TECHNICAL DATA SHEET

DESCRIPTION

TamPur 125 is based on a polyol component (part A) and a polymeric MDI (part B). When mixed, a hydrophobic polyurethane foam is formed which is tough, rigid and resistant to a wide range of chemicals. TamPur 125 reacts rapidly enabling the product to cut off large water leaks.

KEY BENEFITS

- 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

TECHNICAL DATA

TamPur 125 Part A	
Colour	Opaque
Density	1.05
Mix ratio (A:B by volume)	1:1
TamPur 125 Part B	
Colour	Brown
Density	1.23
Mix ratio (A:B by volume)	1:1
TamPur 125 Mixed at a ratio of 1:1	
Colour	Brown
Density	1.1
Final cure	1 day
Viscosity @25°C Brookfield DV 11 spindle no. 2 at 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.

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

APPLICATION GUIDELINES

Components A and B of TamPur 125 are delivered ready-to-use. They are injected in the ratio of 1:1 by volume using a two component injection pump (TP2 Pump) equipped with a static in-line mixer.

Note: The curing reaction time will vary depending on the temperature of the TamPur 125 resin, the rock and the ground water. Both components should be stored above 15°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 500 mm long.

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

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

PACKAGING

TamPur 125 is supplied in 45 kg packs. Packaging size may vary subject to local regulations and requirements.

STORAGE

TamPur 125 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.

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HEALTH & SAFETY

TamPur 125 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.