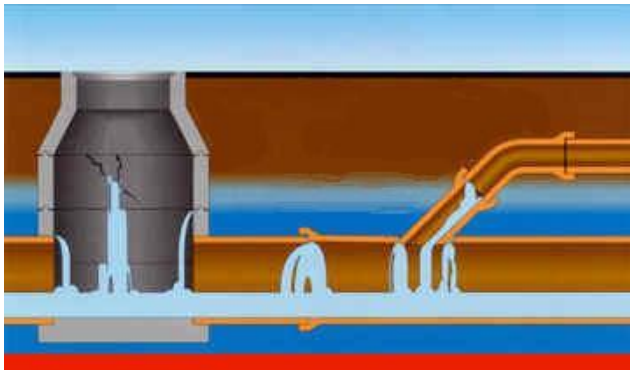


Hydrophilic Gel

DESCRIPTION



TamPur 156 is a single-component hydrophilic polyurethane resin, based on TDI with polyether polyols. This system reacts when it comes into contact with water and forms a flexible polyurethane seal. This product can be enhanced with the addition of a shrinkage inhibitor and an accelerator.

KEY BENEFITS

- › Low viscosity
- › Resistant to most organic solvents, mild acids and alkalis
- › Rapidly forms a highly resilient gel that allows movement
- › Variable reaction time

TYPICAL APPLICATIONS

- › Leak sealing
- › Soil stabilisation
- › Void filling
- › Sewer grouting

TECHNICAL DATA

TamPur 156 Resin	
Colour	Opaque
Viscosity	650 - 1100 cps
Density @25°C	1.1
Solids content	78 - 88% w/w
TamPur 156 Reinforcing Agent	
Colour	White
Viscosity	105 cps
Solids	49 - 51% w/w
Density @25°C	1.02
Flash point	> 200°C

TamPur 156 Accelerator	
Colour	Blue
Viscosity	3 - 5 cps
Density @25°C	1.0
Flash point	> 200°C
Mixed 1:10 (Resin: Water)	
Colour	Opaque / White
Viscosity	50 cps
Density @25°C	1.0
Flash point	> 200°C
Tensile strength	0.15 - 0.30 N/mm ²
Elongation	200 - 300%
Gel time @25°C 10:1 water: resin	60 sec
Gel time @25°C 10:1 water: resin with 1% accelerator	30 sec
Shrinkage 25°C, 100%RH, 1wk	0%
25°C, 50%RH, 1wk	4 - 6%

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

APPLICATION GUIDELINES

TamPur 156 is injected by means of either a single piston or twin piston pump. With the twin piston system, one side carries the TamPur 156 and the other clean water or a mixture of water, reinforcing agent and accelerator, if required.

Use of reinforcing agent

TamPur 156 gel reinforcing agent is an SBR latex emulsion. When dosed into the mixing water at a rate of 5% by weight of water it will improve the strength of the end product as well as reduce shrinkage.

Use of the accelerator

TamPur 156 accelerator is a solution of a reactive polyamine in water. When dosed into the mixing water at a rate of 1% by weight of water, the gel time is approximately halved. TamPur Accelerator and Gel reinforcing agent can be used either separately or combined.

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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Note: Shake well before use. At temperatures below 10°C crystallisation may occur, however after heating to 40°C (indirect heat) and mixing, the product will be restored to its original condition.

Ongoing Maintenance

Clean the resin side of the pump with TamPur cleaners.

PACKAGING

TamPur 156 is supplied in 20 kg pails.
The accelerator is supplied in 1.8 kg bottles.
Reinforcing agent is supplied in 25 kg drums.

STORAGE

TamPur 156 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 156 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.