

Hydrophilic Flexible Polyurethane Grout

DESCRIPTION



TamPur 150 MDI is a single component hydrophilic polyurethane in combination with polyether polyols. It only reacts when it comes in contact with water and forms a flexible polyurethane seal.

KEY BENEFITS

- > Potable water approved
- > High tensile adhesion
- > Solvent-free, environmentally safe
- > Excellent adhesion to most surfaces including concrete, brick and mortar
- > Resistant to most organic solvents, mild acids and alkalis
- > Rapidly forms a highly resilient flexible seal that allows movement to the crack, fracture or joint
- > Reacts even with seawater or mineral water

TYPICAL APPLICATIONS

TamPur 150 MDI is a hydrophilic polyurethane prepolymer liquid for hydrophilic polymer resin type water stopping.

It can be injected directly into a leaking crack, fracture or joint, or it can be injected 1:1 with water.

After injection has taken place, the TamPur 150 MDI will foam to expand and fill the void, forming a tight, impermeable elastomeric seal, stopping the water flow.

TECHNICAL DATA

TamPur 150 MDI			
Appearance		Light brown liquid	
Viscosity at 25°C Brookfield DV 11 spindle no. 2 at 60rpm		450 - 600 mPa·s	
Density at 25°C		1.1	
Elongation thick section		> 34%	
Elongation thin section		> 400%	
Bond strength		> 0.28 MPa	
Ratio ⁺	Cream Time	Rise Time	Free Rise Ratio
1:1	48 sec	343 sec	4.3X
1:2	48 sec	338 sec	5.3X
1:3	48 sec	324 sec	5.8X
1:4	48 sec	302 sec	6.4X
*Ratio between Water:Resin at 25°C			
Temp	Cream Time	Rise Time	Free Rise Ratio
10°C	80 sec	180 sec	4X
20°C	55 sec	130 sec	4X
25°C	50 sec	98 sec	5X
30°C	42 sec	90 sec	6X
Ratio 1:1 Water: Resin			

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

APPLICATION GUIDELINES

TamPur 150 MDI can be injected by two methods:

1. Single component pump that is equipped for high pressure. The resin will react with the water in the structure and foam.
2. Twin piston pump water / resin ratio can be varied to form different density foams as tabled above shows.

Note: It is recommended that the material be conditioned to appropriate temperatures for at least 12 hours prior to application. Always make sure that the material is homogenous, mix the resin using a dry clean drill and paddle mixer for a minimum of 15 sec before application.

At temperatures below 10°C crystallisation may occur. However after heating (indirect heat) and mixing, the liquid is restored to its original form.

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.

TamPur 150 MDI

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PACKAGING

TamPur 150 MDI is supplied in 20 kg metal pail.

STORAGE

TamPur 150 MDI 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 150 MDI 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.