

TamPur 150 MDI

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

- 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 Yellow liquid
Viscosity at 21°C	600cps
Density at 21°C	1.12

Ratio ⁺	Cream Time	Rise Time	Free Rise Ratio
1:1	57 sec	174 sec	2.1X
1:5	41 sec	207 sec	3.4X

Ratio between Water:Resin at 25°C

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 crystallization may occur. However after heating (indirect heat) and mixing, the liquid is restored to its original form.

▶ 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 1 year can be expected.

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▶ Health & Safety

TamPur 150 MDI should only be used as directed. We always recommend that the Health & Safety data sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Health & Safety data sheet is available upon request from your local TAM International representative.

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