TamPur 150

Hydrophilic Flexible Polyurethane Grout

Description



TamPur 150 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 certified
- 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 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 will foam to expand and fill the void, forming a tight, impermeable elastomeric seal, stopping the water flow.

Technical Data

TamPur 150	
Appearance	Opaque liquid
Viscosity at 25°C Brookfield DV 11 spindle no. 2 at 60 rpm	450 - 600cps
Density at 25°C	1.1
Elongation thick section	> 34%
Elongation thin section	> 400%
Adhesion Testing	3.84MPa

Ratio+	Cream Time	Rise Time	Foaming Ratio
1:1	50 sec	98 sec	5X
1:2	42 sec	90 sec	5X
1:3	38 sec	110 sec	6X
1:4	30 sec	120 sec	7X
Ratio between Water:Resin at 25°C			

Temp	Cream Time	Rise Time	Foaming Ratio
10°C	80	180	4
20°C	55	130	4
25°C	50	98	5
30°C	42	90	6
Ratio 1:1 Water:Resin			

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

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 TAM office to confirm that this is current issue. TamPur150-V1AU-10

Application Guidelines

TamPur 150 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 shown beside.

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

Storage

TamPur 150 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.

Health & Safety

TamPur 150 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.