

TamPur 150 (ECO Range)

Hydrophilic Flexible Polyurethane Grout

DESCRIPTION

TamPur 150 ECO is part of our new ECO range and is a single component hydrophilic polyurethane in combination with polyether polyols. It only reacts when it comes in contact with water to form a flexible polyurethane seal.

KEY BENEFITS



- › Environmentally friendly
- › High tensile adhesion
- › 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 (ECO Range) 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 ECO will foam to expand and fill the crack, fracture or joint, forming a tight, impermeable elastomeric seal, stopping the water flow.

TECHNICAL DATA

TamPur 150 (ECO Range)	
Appearance	Yellow liquid
Viscosity at 25°C Brookfield DV 11 spindle no. 2 at 60rpm	150 - 400 mPa·s
Density at 25°C	1.1
Elongation thin section (ASTM D 638)	> 120 %
Tensile Strength (ASTM D 638)	> 1.65 MPa

Ratio*	Cream Time	Rise Time	Free Rise Ratio
1:1	4 sec	120 sec	2X
1:2	4 sec	130 sec	3.5X
1:3	4 sec	90 sec	3.5X
1:4	4 sec	80 sec	3.5X
*Ratio between Water:Resin at 25°C			
Temp	Cream Time	Rise Time	Free Rise Ratio
10°C	4 sec	240 sec	3X
20°C	4 sec	150 sec	2.5X
25°C	4 sec	120 sec	2.5X
30°C	4 sec	80 sec	2.5X
Ratio 1:1 Water:Resin			

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

APPLICATION GUIDELINES

TamPur 150 (ECO Range) 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 shown in the table.

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.

If voids and cavities must be filled, we advise using our TamPur 117. TamPur 117 is designed for economic filling of voids and cavities. Void filling should be undertaken in stage/lifts, this will reduce the exothermic heat generated during the reaction stage. Polyurethane grout can't be used as void/cavity filling material. Please contact your local Normet representative first, if void/cavity filling is the planned application.



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 (ECO Range)



CONSTRUCTION CHEMICALS

TECHNICAL DATA SHEET

Hydrophilic Flexible Polyurethane Grout

PACKAGING

TamPur 150 (ECO Range) is supplied in 20 kg metal pail.

STORAGE

TamPur 150 (ECO Range) 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 (ECO Range) 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.