

Two-Component High Strength Polyurethane Grout

DESCRIPTION



TamPur 120 is based on a polyol component (part A) and a polymeric MDI (part B). When mixed, a hydrophobic polyurethane is formed which is tough, rigid and resistant to a wide range of chemicals. TamPur 120 fast set reacts rapidly enabling the product to cut off large water leaks. TamPur 120 slow set has a long open time allowing for greater penetration into fine void and fissures.

KEY BENEFITS

- > Potable water certified
- > High compressive strength
- > High bond strength
- > Rapid reaction for fast water cut off
- > Solvent free, environmentally safe

TYPICAL APPLICATIONS

- > Extreme water ingress
- > Filling of small voids
- > Stabilisation of concrete slabs
- > Ground consolidation
- > Wet or dry fissure grouting

TECHNICAL DATA

TamPur 120		
	Component A	Component B
Colour	Clear	Brown
Density	1.05	1.23
Flash point (approx.)	> 180°C	> 225°C
Viscosity	450 - 550 cps	200 - 250 cps
All at 25°C		

Mix A:B at 1:1 ratio by volume			
Reaction times	Standard set dry	Standard set wet	Slow set dry
15°C	180 sec	150 sec	60 mins
25°C	125 sec	112 sec	50 mins
Mechanical Properties			
Expansion factor (Unrestrained)	10%	> 1500%	10%
Mechanical Properties			
Compressive strength (Restrained)	> 60 MPa		

Note: Careful consideration should be given to applications below 10°C on a falling thermometer to avoid possible crystallisation.

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

APPLICATION GUIDELINES

Components A and B of TamPur 120 are delivered ready-to-use. They are injected in the ratio of 1:1 by volume using a two component injection pump (TP2 Pump) equipped with a static in-line mixer.

Note: The curing reaction time will vary depending on the temperature of the TamPur 120 resin, the rock and the ground water and the amount of water encountered. Both components should be stored above 15°C prior to application.

To achieve thorough mixing of components A & B during injection, use of a static in-line mixer in connection with the mixing head is essential. The length of the static mixer should be at least 500 mm long.

When the material has cured it forms a rigid polyurethane resin. However the material will react when combined with water to form a rigid foam.

Please contact your local Normet representative should you require any further information regarding suitability or application of this product.

Note: It is recommended that the material be conditioned to appropriate temperatures for at least 12 hours prior to application.

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Void filling should be undertaken in stages/lifts, this will reduce the exothermic heat generated during the reaction stage. If big voids and cavities have to be filled, we advise to use our TamPur 117. TamPur 117 is designed for economic filling of big voids and cavities.

PACKAGING

TamPur 120 is supplied in 45 kg packs. Packaging size may vary subject to local regulations and requirements.

STORAGE

TamPur 120 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 120 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.