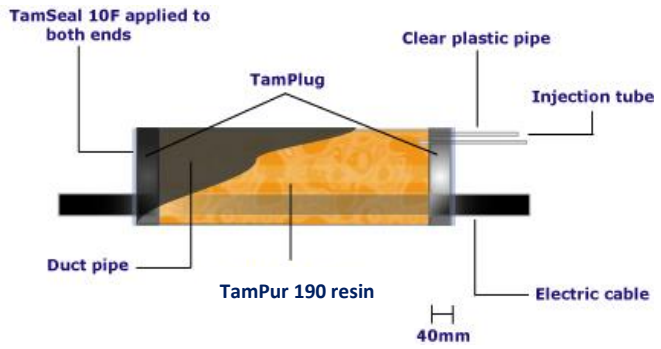
TamPur 190

Two-Component Highly Flexible Polyurethane Grout

CONSTRUCTION CHEMICALS

TECHNICAL DATA SHEET

DESCRIPTION



TamPur 190 is based on a polyol component (Part A) and a prepolymer of polyurethane (Part B). The polyol component has been degassed to help reduce foaming during the reaction with the polyurethane prepolymer, giving a hydrophobic injection resin.

TamPur 190 has been specifically designed for use as an economic sealing system for cable ducts and cable entries. TamPur 190's characteristics enable the reacted resin to be easily excavated should cabling require modification or replacement.

KEY BENEFITS

- Forms an impermeable elastomeric seal
- Can withstand very high pressure
- Can be cut or drilled out easily
- Slightly expansive and resilient
- Flexible

TYPICAL APPLICATIONS

- Sealing pipe ducts
- Sealing cable entries

TECHNICAL DATA

TamPur 190 (A:B at 2:1 ratio by volume)	
Appearance	Dark brown
Viscosity @ 25°C	180 - 220 mPa·s
Specific gravity @ 25°C	1.1
Pot life @ 20°C (85g sample)	Approx. 40 min

Reaction time: The following shows the influence of adding TamKat 191 to TamPur 190 (1 kg sample)

TamKat 191 (weight %)	Gel time
0%	35 minutes
2%	8 minutes
4%	2 minutes
6%	50 seconds
8%	8 seconds
10%	7 seconds

All at 25°C

Mixing in large quantities will reduce the working life of the material.

Physical Properties of End Formed Product	
Tensile Strength	1.8 -2.0 MPa
Elongation at break	60 - 80%
Modulus of elasticity	4.2 - 4.6 MPa
Shore hardness (DIN 53505)	60 - 80 A (20 to 30D)

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

APPLICATION GUIDELINES

TamPur 190 is designed for use in sealing cable ducts and cable entries.

With care, TamPur 190 can be injected using a single piston hand pump.

Mix the individual components Part A and Part B separately using a slow speed dry clean drill and paddle mixer for approx. 30 seconds. Mix thoroughly 2 parts of Part A with 1 part of Part B using a slow speed paddle mixer, until a homogeneous mixture is obtained (at least 3 minute) and avoid air entrapment during mixing.

Allow a maximum of 10 minutes to inject the resin if using this method. The pump must be thoroughly cleaned with TamPur Cleaner after each use before the material starts to set.

On larger contracts it is advisable to use a twin piston pump and mix the two parts together at the point of injection. To speed up the gel time use TamKat 191 mixed in part A. Do not use TamKat 191 when using a single piston hand pump.

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

PACKAGING

TamPur 190 is supplied in 8.25 kg packs.
TamKat 191 is supplied in 2 kg bottles.

Yield
8.25 kg pack = 7.5 litres cured

STORAGE

TamPur 190 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 190 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.