

Semi-Flexible Polyurethane Grout

DESCRIPTION



TamPur 130 / TamKat 130 is a single-shot hydrophobic polyurethane based on MDI in combination with polyether polyols and an amine based catalyst. The system only reacts when it comes into contact with water, producing a semi-flexible polyurethane foam.

KEY BENEFITS

- > Potable water approved & PUB Singapore approved
- > Can withstand high hydrostatic pressures
- > Variable reaction times
- > Semi-flexible
- > Reacts with saline and mineral water
- > Medium viscosity
- > Solvent free, environmentally safe

TYPICAL APPLICATIONS

- > Sealing against water ingress
- > Sealing against leaking cracks and joints
- > Sealing against water in masonry and brickwork
- > Back grouting

TECHNICAL DATA

TamPur 130	
Appearance	Brown liquid
Viscosity at 25°C Brookfield DV 11 spindle no. 2 at 60 rpm	300 - 400 mPa·s
Flash point	> 180°C
Density at 25°C	1.12

TamKat 130	
Appearance	Clear liquid
Viscosity at 25°C Brookfield DV 11 spindle no. 2 at 60 rpm	25 - 35 mPa·s
Flash point	> 180°C
Density at 25°C	1.00

Testing TamPur 130 – All tests carried out using the following mix ratio.

TamPur 130: 100 parts by weight

TamKat 130: As a percentage of TamPur 130 by weight, as stated in the results.

Water: In all tests, 10 parts by weight.

Cream Time				
TamKat 130	1%	2%	5%	10%
10°C	128sec	125sec	41sec	25sec
15°C	100sec	69sec	36sec	24sec
25°C	73sec	55sec	24sec	20sec
35°C	60sec	30sec	25sec	19sec
Rise Time				
TamKat 130	1%	2%	5%	10%
10°C	10min	5m:49sec	124sec	78sec
15°C	9min	5m5sec	120sec	75sec
25°C	8min	4m:45sec	115sec	63sec
35°C	5min	3m:4sec	108sec	60sec
Expansion Rate				
TamKat 130	1%	2%	5%	10%
10°C	8X	11X	15X	28X
15°C	9X	14X	20X	29X
25°C	10X	15X	25X	30X
35°C	10X	20X	25X	30X

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

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APPLICATION GUIDELINES

TamPur 130 / TamKat 130 is a complete system for leak sealing in concrete or masonry structures.

Adaptable reaction time is possible by varying the catalyst ratio from between 2% to 10%.

Reaction with water results in the formation of a semi-flexible polyurethane foam which is hydrophobic and chemically resistant. The reaction time can be set from 30 sec to 12 minutes. (See table of reaction times overleaf.) The pre-mixed resin can be pumped by means of a single component injection pump that is equipped for high pressure. Following the injection, the pump must be thoroughly cleaned with TamPur Cleaner.

Note: Always make sure that the material is homogeneous, mix the resin using a dry clean drill and paddle mixer for a minimum of 15 sec before application.

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

Important: Keep containers sealed whilst not being used. Moisture may be absorbed into the TamPur from the atmosphere causing it to react. Careful consideration should be given to applications below 10°C on a falling thermometer to avoid possible crystallisation.

PACKAGING

TamPur 130 is supplied in 20 kg metal pail.

TamKat 130 is supplied in 2 kg bottle.

Packaging size may vary subject to local regulations and requirements.

STORAGE

TamPur 130 / TamKat 130 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 130 / TamKat 130 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.