

## 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 non-toxic, semi-flexible polyurethane foam.

## KEY BENEFITS

- > Phthalate free, environmentally safe, non-toxic
- > Variable reaction times
- > Semi-flexible
- > Reacts with saline and mineral water
- > Medium viscosity

## TYPICAL APPLICATIONS

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

## TECHNICAL DATA

TamPur 130	
Appearance	Brown liquid
Density at 25 °C	1.18 g/cm <sup>3</sup>
Viscosity at 25 °C Brookfield DV 11 spindle no. 2 at 60 rpm	250 - 400 mPa·s
Flash point	>150 °C

## TamKat 130

Appearance	Light yellow liquid
Density at 25 °C	1.16 g/cm <sup>3</sup>
Viscosity at 25 °C Brookfield DV 11 spindle no. 2 at 60 rpm	< 20 mPa·s
Flash point	>115 °C

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	2%	5%	10%
15 °C	34 sec	30 sec	26 sec
25 °C	30 sec	26 sec	24 sec

## Rise Time

TamKat	2%	5%	10%
15 °C	12m:	5m: 18 sec	3m: 20sec
25 °C	9m: 40 sec	4m: 10sec	2m: 50sec

## Foaming Ratio

TamKat	2%	5%	10%
15 °C	> 5X	> 14X	> 20X
25 °C	> 10X	> 20X	> 30X

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

## APPLICATION GUIDELINES

TamPur 130 / TamKat 130 is a complete system for void filling and leak sealing in concrete or masonry structures and sandy soils by injection into soils.

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 1 to 10 minutes. (See table of reaction times.) 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 EcoClean.

Note: Always ensure the mixture is homogenous. Mix the resin using a dry clean drill and paddle mixer for a minimum of 15 seconds 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 application to below 10 °C on a falling thermometer to avoid possible crystallisation.

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## PACKAGING

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TamPur 130 is supplied in IBCs, drums and bulk. Packaging size may vary subject to local regulations and requirements, please contact your local Normet representative for more details.

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## STORAGE

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TamPur 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 1 year can be expected.

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## HEALTH & SAFETY

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TamPur 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.