



## KÖSTER 2C PUR Membrane Adhesive

Technical Data Sheet RT 104 001

Issued: 2022-05-04

### Quick-adhesive, self-mixing 2-component polyurethane adhesive for the bonding of fleece-laminated roofing and waterproofing membranes KÖSTER TPO F and KÖSTER TPO F (FR).

#### Features

KÖSTER 2C PUR roofing membrane adhesive is a ready-to-use, two-component, solvent-free polyurethane adhesive for the strip-wise bonding of the fleece-laminated roofing and waterproofing membranes KÖSTER TPO F and KÖSTER TPO F (FR) in glued roof construction. The order of KÖSTER 2C PUR roofing membrane adhesive by means of mechanically driven output device is simple, uncomplicated and allows a considerable saving of working time in the glued installation. The KÖSTER hand press for PUR roof sheeting adhesive ensures a correct mixing ratio of the 2-component adhesive as well as a high-quality and uniform order at all times.

KÖSTER 2C PUR roofing membrane adhesive is also suitable for the bonding of suitable insulation boards up to a board size of 1.2 m x 1.2 m on various substrates.

#### Technical Data

Colour	white / light yellow
Viscosity at + 23 ° C	200 mPa * s
Flashpoint	over + 220 ° C
Density at + 20 ° C	about 1.22 g / cm <sup>3</sup>
Processing temperature	+ 5 ° C to + 35 ° C
Processing time	about 10 min
Setting time	2 hours

#### Substrate

Suitable substrates are:

- concrete
- aerated concrete
- Light insulating clay
- Bitumen roofing membranes
- Laminated PUR / PIR insulation materials
- polystyrene
- Laminated mineral wool

Important note: Unbacked and laminated insulating materials must be approved by the manufacturer for bonding. Do not apply on wet surfaces.

#### Application

Processing is carried out in accordance with the installation instructions and the technical manual of KÖSTER BAUCHEMIE AG. The requirements of the flat roof guideline of the roofing trade, the DIN 18531 and the DIN EN 1991-1-4 / AN: 2012 are to be kept. KÖSTER 2C PUR roofing membrane adhesive is applied in strips with the KÖSTER hand press for PUR 2C roofing membrane adhesive. To do this, screw the mixing nozzle onto the mixing head and cut off the tips with a knife and insert immediately into the device. Allow the adhesive to foam after application (usually 1-2 minutes). Subsequently, the fleece laminated roofing membrane is rolled into the adhesive. Do not

spread more glue than can be covered in 5 minutes. Press the waterproofing membrane with a weighted roller or broom. Consumption data: A packaging unit of 4 cartridges corresponds to an area of approx. 50 m<sup>2</sup>. The division of the roof areas is done according to DIN EN 1991-1-4 / NA: 2010: 12. Laying plans can be obtained as a free service from KÖSTER BAUCHEMIE AG. Please fill out our data collection sheet for wind load calculation.

#### Consumption by roof area classification

Roof area	Parallel spacing of the strips	Adhesive consumption
Inside area	30 cm	ca. 0,08 Cartridges/m <sup>2</sup>
Inner edge area	30 cm	ca. 0,08 Cartridges/m <sup>2</sup>
Outer edge region	15 cm	ca. 0,16 Cartridges/m <sup>2</sup>
Corner	15 cm	ca. 0,16 Cartridges/m <sup>2</sup>

Strip width at order approx. 1.5 cm, extension to approx. 7 cm. 24 hours before use, the material temperature of the KÖSTER 2C PUR must be between 7 ° C and 35 ° C. The adhesive temperature should be at least + 15 ° C during use.

#### Cleaning

Clean fresh material with KÖSTER PUR cleaner. Mechanically remove hardened material.

#### Packaging

RT 104 001 1.5 l cartridge

#### Storage

Do not store in direct sunlight or at temperatures above 35 ° C. Store the boxes with the valve up. For at least one year when stored at + 5 ° C to + 35 ° C in original sealed containers. The product must not freeze!

#### Safety

When working with the material, work clothing that covers arms and legs or a protective suit must be worn. When working in confined spaces or in the "overhead area" hoods or covers must be worn. Wear suitable protective gloves (e.g., nitrile gloves) and protective goggles. Obey all local, state, and federal safety regulations when processing the material.

#### Related products

KÖSTER TPO 2.0 F	Prod. code RT 820 F
KÖSTER TPO 2.0 F (FR)	Prod. code RT 820 F (FR)
KÖSTER TPO 2.0 F W	Prod. code RT 820 F W

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.