



## KÖSTER PUR Membrane Adhesive

### Solvent free, moisture curing polyurethane for strip or full surface adhesion of KÖSTER TPO F and KÖSTER ECB F Membranes

#### Features

KÖSTER PUR Membrane Adhesive is a ready to use, one component, solvent free polyurethane for strip and full surface adhesion of KÖSTER fleece backed TPO and ECB membranes.

#### Technical Data

|                      |                                  |
|----------------------|----------------------------------|
| Color                | yellow / brown                   |
| Viscosity at + 20 °C | approx. 7,000 mPa * s            |
| Flash point          | greater than + 100 °C            |
| Density at + 20 °C   | approx. 1.12 g / cm <sup>3</sup> |
| Working temperature  | + 5 °C to + 40 °C                |
| Pot life             | approx. 20 min.                  |
| Setting time         | 2 to 6 hours                     |

#### Fields of Application

KÖSTER PUR Membrane Adhesive is used for strip bonding and full area adhesion of KÖSTER ECB F and KÖSTER TPO F Membranes.

#### Substrate

The substrate must be sound and solid as well as free of bond inhibiting agents such as dust, grease, and oil. It may be necessary to prime the substrate with KÖSTER Bitumen Primer to facilitate suitable bonding characteristics.

Suitable substrates include:

- Concrete
- Foamed concrete
- Mineralized bituminous roofing membranes
- Polyurethane foam with lamination
- Polystyrene foam
- Mineral wool insulation with lamination

**Important note:** Uncoated and laminated insulation materials must be approved by the manufacturer for bonding.

#### Application

Installation shall be performed according to the KÖSTER Installation Instructions. KÖSTER Membrane Adhesive can be poured directly from the packaging or applied with a multi-bead adhesive application device.

Do not apply more adhesive than can be covered in 5 minutes.

Press the membrane down with a weighted roller to evenly disperse the adhesive.

Check the spread by lifting the edge of a membrane. This control is especially important on uneven surfaces.

#### KÖSTER PUR Membrane Adhesive Consumption Table

The adhesive consumption depends on the type of installation. For strip adhesion installation the consumption is approximately 200 g/m<sup>2</sup> to 250 g/m<sup>2</sup>, for full surface adhesion approx. 450 g/m<sup>2</sup>. The division of the

roof surface is in accordance with

DIN EN 1991-1-4/NA:2010:12. A free installation plan can be obtained from KÖSTER BAUCHMIE AG. Please fill out the required wind load calculation form.

#### Consumption according to roof surface type

| Roof area       | Number of strips per m | Adhesive consumption     |
|-----------------|------------------------|--------------------------|
| Inner area      | 4                      | ca. 160 g/m <sup>2</sup> |
| Inner edge area | 5                      | ca. 200 g/m <sup>2</sup> |
| Outer edge area | 6                      | ca. 240 g/m <sup>2</sup> |
| Corner area     | 8                      | ca. 320 g/m <sup>2</sup> |

Strip width approx. 2 cm, (approx. 40 g/m). For full surface adhesion installation, a consumption of approx. 400 g/m<sup>2</sup> to 450 g/m<sup>2</sup> is calculated.

#### General Information:

- concrete, aerated concrete, bituminous membranes etc.
- The surface has to be sound and solid, free of water and clean
- Application temperature: + 5 °C to + 40 °C
- Use only as much adhesive as can be applied in 5 minutes
- Membranes are rolled out and pressed down
- Pressing down the membranes is required a second time after 30 minutes
- Setting time: 2 to 6 hours
- In originally sealed packages stored in cool conditions, the material can be stored for min. 9 months

#### Consumption

160 - 450 g / m<sup>2</sup>

#### Cleaning

Clean fresh material with KÖSTER PUR Cleaner. Reacted material must be mechanically removed.

#### Packaging

RT 101 065 6.5 kg jerrycan

#### Storage

In originally sealed packages it can be stored for a minimum of 6 months. After partial removal and further storage, the containers must be closed immediately (do not mix up the caps) and turned "upside down" once to seal the closures from the inside.

#### Safety

Contains diisocyanate. 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

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.

# KÖSTER

## Waterproofing Systems

protective goggles. Obey all local, state, and federal safety regulations when processing the material.

### Related products

KÖSTER PUR Cleaner

KÖSTER TPO 2.0 F

KÖSTER TPO 2.0 F (FR)

KÖSTER Bitumen Primer

KÖSTER Spatula

Prod. code IN 900 010

Prod. code RT 820 F

Prod. code RT 820 F (FR)

Prod. code W 110 010

Prod. code X 987 001

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