OTTOPUR OP 930

Technical Datasheet

Characteristics:

- 1-component mounting and insulating foam based on polyurethane
- Foam yield approx. 25/38 l per 500 / 750 ml can
- Can be cut after approx. 30 minutes
- Can be loaded after approx. 3-5 hours

Fields of application:

- Mounting and insulation of window and door frames made of wood, steel or plastic in masonry
- Mounting and insulating of interior partition walls, window sills, etc.
- Filling of cavities of all types
- Joining of well and manhole rings in sewer manholes and domestic sewage treatment plants
- For the bonding of polystyrene rigid foam panels as perimeter insulation according to DIN 4108-2

Standards and tests:

- General building inspection certificate: normal inflammable building material (class E according to DIN EN 13501-1)
- EMICODE® EC 1 Plus - very low emission
- French VOC-emission class A+

Important information:

Please note: Can is under pressure. Protect from UV-radiation and temperatures over +50 °C.
Fill cavities only partially, as the volume increases during curing.
Fresh product residues can be removed with OTTOPUR Cleaner or OTTO Cleaning wipes. In case of skin contact, wash with water and soap and rinse thoroughly.
To ensure the water impermeability when using as a well foam, the hardened PU-foam may not be cut.
PU-foam should be protected against UV-exposure by coating, sealing with sealants (e.g. silicone, polyurethane or hybrids) or covering.
For bonding perimeter insulation, apply vertical foam strands from bottom to top at intervals of 20-30 cm.
Press the insulation boards lightly against the wall within about 8 minutes (at 20 °C).
One 500 ml can is sufficient for bonding about 10 m² of insulation boards.
One 750 ml can is sufficient for bonding about 14 m² of insulation boards.
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Technical properties:

Yield 500 ml free-foamed [l]	~ 25
Foam yield 500 ml (FEICA TM1003) [l]	~ 22
Joint-foamed yield 500ml (FEICA TM 1002) [lm]	~ 15
Yield 750 ml free-foamed [l]	~ 38
Foam yield 750 ml (FEICA TM1003) [l]	~ 32
Joint-foamed yield 750ml (FEICA TM 1002) [lm]	~ 22
Temperature of can from/to [°C]	+ 5 / + 30
Ambient temperature [°C]	+ 5 / + 35
Temperature of substrate [°C]	+ 5 / + 35
Tack-free time (FEICA TM 1014) [min]	~ 9
Cuttability (FEICA TM 1005) [min]	~ 30 - 60
Loadable, depending on the layer thickness [hours]	~ 3 - 5
Density in raw state (FEICA TM 1019) [kg/m³]	~ 40
Sound insulation [dB]	~ 58
Thermal conductivity according to DIN 52 612 [W/mK]	~ 0,035

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Compressive stress at 10 % compression (FEICA TM 1011) [kPa]	~ 37
Tensile strength (FEICA TM 1018) [kPa]	~ 78
Tensile expansion (FEICA TM 1018) [%]	~ 23
Shear stability (FEICA TM 1012) [kPa]	~ 43
Dimensional stability (FEICA TM 1004) [%]	< - 5
Post-expansion (FEICA TM 1010) [%]	~ 130
Percentage of closed-cell cellular structure %	~ 70
Water absorption according to EN 1609 [kg/m²]	~ 0,2
Temperature resistance from/to [°C]	- 40 / + 90
Shelf life at 23 °C/50 % RH [months]	12 (1)
Colour	yellowish

1) from date of manufacture, store unopened cans upright

These data are not suitable for the issue of specifications. Please contact OTTO-CHEMIE before issuing specifications.

Application information:

1. Substrates and building materials have to be cleaned and well moistened.
2. Protect components from deformation by using a brace.
3. Shake the can thoroughly (at least 20 times). Remove cap of can.
4. Screw extension hose and angle adapter onto the tipping valve.
5. Material flows out by using sideway or vertical pressure onto the valve. For application hold aerosol can up-side-down.
6. Repeat to shake the can if interruptions last longer than 5 min.
7. If the can is not used completely remove adapter and clean with acetone or OTTOPUR Cleaner.
8. Let foam cure in the valve and remove it with a wooden screw afterwards.

Due to the many possible influences during and after application, the customer always has to carry out trials first.
Please observe the recommended shelf life which is printed on the packaging.

Packaging:

	500 ml aerosol can	750 ml aerosol can
-	OP930-83	OP930-85
Packaging unit	**12**	**12**
Pieces per pallet	**672**	**504**

Safety precautions:

Please observe the material safety data sheet.

Disposal:

Information about disposal: Please refer to the material safety data sheet.

Warranty information:

All information in this publication is based on our current technical knowledge and experience. However, since conditions and methods of use and application of our products are beyond our control, we suggest that you test the product before final use. Information given in this technical data sheet and explanations of OTTO-CHEMIE in connection with this technical data sheet (e.g. service description, reference to DIN regulations etc.) is not to be seen as a warranty. Warranties require a separate written declaration of OTTO-CHEMIE to prove their validity. The characteristics stated in this data sheet define the characteristics of the article broadly and concludingly. Suggestions of use are not to be taken as confirmation of the appropriateness for the recommended intended use. We reserve the right to alter the product, adjusting it according to technical progress and new developments. We are at your disposal both for inquiries as well as specific application problems. If a governmental approval or clearance is necessary for the application of our products, the user is responsible for the obtainment of such. Our recommendations do not excuse the user from the obligation to take into consideration the possibility of infringement of third parties' rights and - if necessary - resolving it. For the rest our general terms and conditions apply, in particular regarding a possible liability for defects. You can find our general terms and conditions on our homepage: http://www.otto-chemie.de/en/terms-and-conditions

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