

OTTOPUR

OP 930

Technical Datasheet

Characteristics:	- 1-component mounting and insulating foam based on polyurethane - Foam yield approx. 30/45 l per 500 / 750 ml can - According to building material class B2																																								
Fields of application:	- Mounting and insulating of door and window frames made of wood, steel and plastic in masonry - Mounting and insulating of interior partition walls, window sills, etc. - Filling of cavities of all types																																								
Standards and tests:	- Tested according to DIN 4102-B2 - normally flammable																																								
Important information:	Fill cavities only partly because volume increases during curing (approx. 120 min.) to double or triple. Fresh product residues can be removed with acetone or OTTOPUR Cleaner. In case of skin contact, wash with water and soap and rinse thoroughly. Please note: Can is under pressure. Protect from UV-radiation and temperatures over +50 °C.																																								
Technical properties:	<table> <tr> <td>Yield: 500 ml / 750 ml free-foamed</td><td>approx. 30 l / approx. 45 l</td></tr> <tr> <td>Yield: 500 ml / 750 ml foamed in joint</td><td>approx. 20 l / approx. 30 l</td></tr> <tr> <td>Cellular structure</td><td>approx. 80 % closed cells</td></tr> <tr> <td>Temperature of can</td><td>+5 °C up to max. +30 °C</td></tr> <tr> <td>Temperature of substrate</td><td>not below +5 °C</td></tr> <tr> <td>Tack-free at 23 °C / 50 % RAH</td><td>after approx. 10 minutes</td></tr> <tr> <td>Cuttable, 20 mm rope</td><td>after approx. 30 minutes</td></tr> <tr> <td>Loadable, depending on the layer thickness</td><td>after approx. 2 hours</td></tr> <tr> <td>Volumetric weight (DIN 53420)</td><td>approx. 21 kg/m³</td></tr> <tr> <td>Water absorption (DIN 53 428)</td><td>approx. 0,3 Vol %</td></tr> <tr> <td>Thermal conductivity (DIN 52 612)</td><td>approx. 0,04 W/mK</td></tr> <tr> <td>Temperature resistance of the foam</td><td>-40 °C up to +80 °C, temporarily +100 °C</td></tr> <tr> <td>Compressive stress at 10 % compression (following DIN 53 421)</td><td>approx. 6 N/cm²</td></tr> <tr> <td>Compressive strength (DIN 53421)</td><td>approx. 9 N/cm²</td></tr> <tr> <td>Shear stability (following DIN 53427)</td><td>approx. 5 N/cm²</td></tr> <tr> <td>Tensile strength (following DIN 53430)</td><td>approx. 11 N/cm²</td></tr> <tr> <td>Water vapour diffusion resistance number μ</td><td>approx. 19</td></tr> <tr> <td>Dimensional stability at +23 °C / 50 % RAH</td><td>approx. 10 %</td></tr> <tr> <td>Shelf life at 23 °C / 50 % RAH in original, unopened packagings</td><td>12 months (store cans upright)</td></tr> <tr> <td>Colour</td><td>yellowish</td></tr> </table> These data are not suitable for the issuing specifications. Please contact OTTO - CHEMIE before issuing specifications.	Yield: 500 ml / 750 ml free-foamed	approx. 30 l / approx. 45 l	Yield: 500 ml / 750 ml foamed in joint	approx. 20 l / approx. 30 l	Cellular structure	approx. 80 % closed cells	Temperature of can	+5 °C up to max. +30 °C	Temperature of substrate	not below +5 °C	Tack-free at 23 °C / 50 % RAH	after approx. 10 minutes	Cuttable, 20 mm rope	after approx. 30 minutes	Loadable, depending on the layer thickness	after approx. 2 hours	Volumetric weight (DIN 53420)	approx. 21 kg/m ³	Water absorption (DIN 53 428)	approx. 0,3 Vol %	Thermal conductivity (DIN 52 612)	approx. 0,04 W/mK	Temperature resistance of the foam	-40 °C up to +80 °C, temporarily +100 °C	Compressive stress at 10 % compression (following DIN 53 421)	approx. 6 N/cm ²	Compressive strength (DIN 53421)	approx. 9 N/cm ²	Shear stability (following DIN 53427)	approx. 5 N/cm ²	Tensile strength (following DIN 53430)	approx. 11 N/cm ²	Water vapour diffusion resistance number μ	approx. 19	Dimensional stability at +23 °C / 50 % RAH	approx. 10 %	Shelf life at 23 °C / 50 % RAH in original, unopened packagings	12 months (store cans upright)	Colour	yellowish
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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.

Because of the variety of possible influences while processing and applying customer tests are required.

Please observe the recommended shelf life which is printed on the packaging.

Packaging:

Please see the packagings available from stock in our current General Catalogue for Building Products.

Trading unit/Container	Packaging unit	Pieces per pallet
500 ml aerosol can	12	672
750 ml Aerosol Can	12	504

Colours:

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Safety precautions:

Please observe the material safety data sheet.

Disposal:

Information about disposal: Please observe the material safety data sheet.

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 experiences. However, since conditions and methods of use and application of our products are beyond our control, we suggest you to 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 conclusively. 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. If you happen to not have our general terms and conditions at hand, we will gladly send them to you upon request. You can also find them on our homepage: http://www.otto-chemie.de/englisch/unternehmen/agb/AGB-Englisch_04-05.pdf