

# OTTOPUR

# OP 920



## Technical Datasheet

### Characteristics:

- 2-component assembly and insulation foam based on polyurethane
- Can be cut after approx. 9 minutes
- Braces can be removed after approx. 30 minutes
- Can be fully loaded after approx. 3 hours
- Foam yield approx. 10 l per 400 ml can
- Normally flammable

### Fields of application:

- Mounting and insulating of door and window frames made of wood, steel and plastic in masonry
- Suitable for the mounting of wooden steps
- Suitable for mounting basins made of acrylic and steel (shower trays)

### Standards and tests:

- General building inspection certificate - normal inflammable building material (B2) according to DIN 4102-1
- French VOC-emission class A+
- EMICODE® EC 1 Plus - very low emission

### Important information:

**Please note:** Can is under pressure. Protect from UV-radiation and temperatures over +50 °C. The PU foam cures at room temperature within 180 minutes after mixing by chemical reaction of both components. Foam has to be applied immediately after activation. Aerosol can should be emptied immediately, at the latest within 5 minutes after mixing (pot life at 20 °C) otherwise curing of the foam takes place inside the aerosol can (**explosion hazard!**). **Higher temperatures shorten the time in which processing must be completed.** Do not use aerosol cans with a temperature of above +25 °C. If necessary, cool the aerosol can down in a cold water bath beforehand.

The PU foam has been designed for normal building moisture and absorbs it without impairment to the adhesive strength during the curing process. For this reason the surfaces and the applicated foam should not be moistened additionally. Excessively wet surfaces can cause shrinkage of the curing foam. The cured foam is medium hard, elastic, predominantly closed cell, rot-resistant, resistant to water, heat and low temperatures as well as against aging, but not against UV-radiation.

The building components must have sufficient inherent stability and should be built up correctly and professionally. The maximum width of the joint during the fitting of door frames is 30 mm. The application of the PU foam on swinging or vibrating building components is not advisable. Avoid use with gastight materials, e.g. metal sheets, or carry out own preliminary tests.

Fresh product residues can be removed with acetone or OTTOPUR Cleaner. In case of skin contact, wash with water and soap and rinse thoroughly.

Cured foam can only be removed mechanically

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### Technical properties:

Foam yield free-foaming [l]	~ 10 (1)
Processing temperature from/to [°C]	+ 10 / + 30 (2)
Processing time [minutes]	~ 5
Tack-free at 23 °C/50 % RH [minutes]	~ 5 - 7
Cutable, 20 mm rope [minutes]	~ 9
Load resistance (despreadable) at rope strength of 20 mm [minutes]	~ 30
Loadable at rope strength of 20 mm [minutes]	~ 180

Temperature resistance from/to [°C]	- 40 / + 80 (3)
Shelf life at 23 °C/50 % RH [months]	18 (4)
Colour	rose

- 1) 2 to 3 wooden frames; depending on wall thickness and joint width
- 2) optimal processing temperature + 20 °C
- 3) temporarily + 100 °C
- 4) 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:

Please observe information from the frame manufacturer and the latest requirements when carrying out assembly works.

1. Wedge wooden frame and brace it. The maximum joint width is 30 mm. Dust off dusty/sandy substrates and prime with **OTTO Primer 1105**.
2. To activate the can, turn the inside part of the bottom of the can four full turns (360°) to the right until it stops against the can.
3. Shake the can vigorously 20-30 times. A slight rattle heard from the inside of the can indicates that the can has been activated.
4. Remove the cap of the can and screw the angle adapter tight onto the valve as far as it will go, but be careful not to damage the valve.
5. After activating and shaking the can, leave it to cure for 30 seconds before using it. The release of the foam can be precisely regulated by means of applying different pressure or by tilting the adapter when the valve is facing downwards.
6. Carefully activate the adapter to control the amount of foam.
7. Check: the foam must be pink throughout upon release (if not, repeat steps 2 and 3). The foam only hardens evenly and quickly if the 2-component system has been activated correctly.
8. Use within 5 minutes of mixing! If the mixed foam is not released, the can might heat up in excess of 50 °C – explosion hazard.
9. Apply a hand-sized amount of foam to three points on the left and the right of the frame (at hinge and door lock level). **Attention:** the joint of steel frames must be completely filled with foam. Do not exceed a maximum temperature of + 23 °C.
10. Braces must be used during the entire bracing period.

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:

	400 ml aerosol can
	OP920-82
<b>Packaging unit</b>	<b>12</b>
<b>Pieces per pallet</b>	<b>576</b>

#### 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 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 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. You can find our general terms and conditions on our homepage: <http://www.otto-chemie.de/en/terms-and-conditions>



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