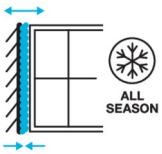
Technical datasheet

# OTTOPUR OP 950 SPECIAL

## The flexible foam




1-component PU dosing foam | For indoor and outdoor application | OP 950

## Characteristics

- Permanent absorption of component movements
- Can be processed at temperatures down to -10°C
- 62 dB sound insulation in acc. with EN ISO 717-1
- 0.036 W/mK insulation value to EN 17333-5
- Foam yield approx. 44 l per 750 ml can
- Can be cut after approx. 35 minutes
- Can be loaded after approx. 12 hours

## Fields of application

- Mounting and insulation of window and door frames made of wood, steel or plastic in masonry
- Filling and insulation of joints and cavities for roof extensions and roof insulations
- Foaming of small wall recesses, all types of cable passages and other cavities

## Standards and tests

- General building inspection certificate - normal inflammable building material (B2) according to DIN 4102-1
- EMICODE® EC 1 Plus - very low emission
- French VOC-emission class A+
- Air permeability when new, tested to DIN 12114 (ift Rosenheim)
- Joint sound insulation tested to EN ISO 717-1 (and EN ISO 10140-1) (ift Rosenheim)
- Thermal conductivity tested to EN 17333-5 (ift Rosenheim)
- Water vapour diffusion resistance factor tested to EN ISO 12572 – Climate Set A

## Technical properties

| | |
|---|---|
| Joint-foamed yield (EN 17333-1) [lm] | ~ 29 |
| Foam yield (EN 17333-1) [l] | ~ 44 |
| Temperature of can from/to [°C] | - 10 / + 35 [1] |
| Ambient temperature [°C] | - 10 / + 35 [1] |
| Temperature of substrate [°C] | - 10 / + 35 [1] |
| Skin formation (EN 17333-3) [min] | ~ 8 |
| Cuttability (EN 17333-3) [min] | ~ 35 |
| Loadable, depending on the layer thickness [hours] | ~ 12 |
| Thermal conductivity according to DIN 52 612 [W/mK] | ~ 0,035 |
| Water vapour diffusion resistance number μ | ~ 22 |
| Free-foaming density (EN 17333-1) [kg/m³] | ~ 25 |
| Evaluated joint sound reduction index joint width 10mm [dB] | ≥ 63 |

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| | |
|---|---|
| Evaluated joint sound reduction index joint width 20mm [dB] | ≥ 64 |
| Compressive strength (EN 17333-4) [kPa] | ~ 14 |
| Tensile strength (EN 17333-4) [kPa] | ~ 65 |
| Tensile expansion (EN 17333-4) [%] | ~ 35 |
| Shear stability (EN 17333-4) [kPa] | ~ 30 |
| Dimensional stability (EN17333-2) [%] | +- 3 |
| Hardening pressure (EN 17333-2) [kPa] | ~ 1,3 |
| Post-expansion (EN 17333-2) [%] | ~ 50 |
| Temperature resistance from/to [°C] | - 40 / + 80 [2] |
| Shelf life at 23 °C/50 % RH [months] | 12 [3] |
| Colour | blue |

1) optimal processing temperature + 20 °C

2) temporarily + 100 °C

3) 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.

## Important information

A at least partly filled aerosol can should be mounted permanently to the dosing gun, so that the OTTOPUR foam in the gun stays under pressure. Please shut the adjusting screw after use.
Never remove the can by using force.
Do not clean the adapter with a solid object.
If the dosage gun has to be taken out of service, it must be cleaned using OTTOPUR Cleaner immediately following unscrewing.
Regular use considerably extends the service life and functionality of the dosage guns.
Hardened foam residue can only be mechanically removed.
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.
**Please note:** Can is under pressure. Protect from UV-radiation and temperatures over +50 °C.

## 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 the can into the adapter – Do not tighten it! 5. For initial operation press the trigger for approximately 10 seconds and let the material flow out completely (filling of channel with PUR-foam and removing of residual humidity). 6. The applicator gun is ready to use. For application hold aerosol can up-side-down and the applicator gun vertically. 7. Dispense the foam by adjusting the trigger and by adjusting the screw. 8. Before mounting a new can to the applicator gun, shake new can thoroughly and remove empty can immediately (within 1 minute maximum). 9. Replace the empty can by a new can quickly to avoid curing of the PUR-foam in the adapter. 10. Remove uncured foam from the adapter with OTTOPUR-Cleaner. 11. Remove foam residues from the nozzle with a piece of wood (or something similar).
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

| | **750 ml aerosol can** |
|---|---|
| **fair blue** | OP950-85 |
| **Pieces per packaging unit** | **12** |
| **Pieces per pallet** | **504** |

## Safety precautions

Please observe the material safety data sheet.

## Disposal

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

## Brand information

EMICODE® is a registered trademark of GEV e. V. (Düsseldorf, Germany)

## Warranty information

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