

# OTTO PUR OP 915

The dosing foam with very good sound and heat insulation



1-component PU dosing foam

For indoor and outdoor application

OP 915



## Characteristics

- ▶ Very good sound and heat insulation
- ▶ 60 dB sound insulation according to EN ISO 717-1
- ▶ 0.038 W/mK insulation value according to DIN 52612
- ▶ Foam yield approx. 36 l per 500 ml can
- ▶ Can be cut after approx. 35 minutes
- ▶ Can be fully loaded after approx. 24 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
- ▶ Especially suitable for narrow sealings, e. g. restoration of old buildings
- ▶ Joining of well and shaft 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 (B2) according to DIN 4102-1
- ▶ EMICODE® EC 1 Plus - very low emission
- ▶ French VOC-emission class A+

## Technical properties

Foam yield (EN 17333-1) [l]	~ 36
Joint-foamed yield (EN 17333-1) [lm]	~ 24
Temperature of can from/to [°C]	+ 5 / + 30
Ambient temperature [°C]	+ 5 / + 35
Temperature of substrate [°C]	+ 5 / + 35
Skin formation (EN 17333-3) [min]	~ 8
Cuttability (EN 17333-3) [min]	~ 35
Fully stressable (30 mm strand) [h]	~ 24
Free-foaming density (EN 17333-1) [kg/m³]	~ 20
Evaluated joint sound reduction index R(ST,w) Joint width 10mm [dB]	>= 60
Evaluated joint sound reduction index R(ST,w) Joint width 20mm [dB]	>= 59



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Thermal conductivity $\lambda$ [W/mK]	~ 0,038
Compressive strength (EN 17333-4) [kPa]	~ 30
Tensile strength (EN 17333-4) [kPa]	~ 100
Tensile expansion (EN 17333-4) [%]	~ 10
Dimensional stability (EN17333-2) [%]	< - 10
Hardening pressure (EN 17333-2) [kPa]	~ 5
Post-expansion (EN 17333-2) [%]	~ 35
Temperature resistance from/to [°C]	- 40 / + 80 <sup>1</sup>
Shelf life at 23 °C/50 % RH [months]	12 <sup>2</sup>
Colour	beige

1) temporarily + 100 °C

2) 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

**Please note:** Can is under pressure. Protect from UV-radiation and temperatures over +50 °C.

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.

Fill cavities only partially, as the volume increases during curing.

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 m<sup>2</sup> of insulation boards.


### 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

500 ml aerosol can	
 beige	OP915-83
Pieces per packaging unit	12
Pieces per pallet	576

### 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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