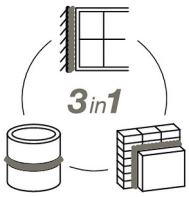
Technical datasheet

OTTOPUR OP 915

The 3-in-1 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

Hermann Otto GmbH
Krankenhausstr. 14 | 83413 Fridolfing, Germany
+49 8684 908-0 | @ info@otto-chemie.de
www.otto-chemie.com

Application advice
+49 8684 908-4300
@ tae@otto-chemie.de

SEALING & BONDING

Thermal conductivity λ [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 [1]
Shelf life at 23 °C/50 % RH [months]	12 [2]
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 m² 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

-

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

The above information and our technical application advice, whether verbal, in writing or by means of tests, are provided to the best of our knowledge, but are non-binding, including with regard to any third-party property rights. The information in this publication does not exempt the processor from carrying out their own tests on our products with regard to their suitability for the intended processes and purposes. The application, use and processing of our products and the products manufactured on the basis of our technical application advice are beyond our control and are therefore the sole responsibility of the processor. If the application for which our products are used is subject to an official authorisation requirement, the user is responsible for obtaining these authorisations. We reserve the right to adapt the product to technical progress and new developments. For the rest, we refer to our General Terms and Conditions, in particular with regard to any liability for defects. You can find our GTC at www.otto-chemie.de.