



POLITERM® WALL R

SUPERLIGHT THERMAL INSULATING REGRANULATED
AGGREGATE FOR BLOWING IN CAVITIES

POLITERM® WALL R

Superlight thermal insulating regranulated aggregate for blowing in cavities

<p>COMPOSITION</p>	<p>POLITERM® WALL R Regranulated expanded polystyrene beads containing MPS (15%), specifically designed for dry blowing in cavities and confined spaces, with controlled density and granulometry (Ø 3 - 6 mm), non-toxic, non-absorbent, rot-proof, dust-free, dimensionally stable over time, and devoid of nutritional value to support the growth of fungi and bacteria. Production is completely free from the use of chloro-fluorocarbons.</p> <p><i>also available in</i> WALL FIX R version (consolidated in cavities). Using specific equipment, the thermo-insulating aggregates of Politerm® Wall R, during the blowing process in cavities, are sprayed with a specific binder (approx. 2 kg/m³ consumption). This solution causes the aggregation of the insulating beads once blown, preventing their escape in the event of future interventions on the walls (such as trace creation, drilling, etc.).</p>													
<p>PACKAGING AND STORAGE</p>	<ul style="list-style-type: none"> · 500 L bag. · Store away from prolonged direct sunlight exposure. 													
<p>FIELDS OF APPLICATION</p>	<ul style="list-style-type: none"> · Realization of thermal insulation, filling in cavities, and generally in confined spaces. · Energy efficiency retrofitting interventions on existing buildings where other types of thermal insulation interventions are not possible. It can also be applied to individual residential units within condominiums. 													
<p>CONSUMPTION / YIELD</p>	<p>To fill a volume of 1 m³, 2 bags of Politerm® Wall R are required (Politerm® Wall Fix R: + 2 kg/m³ of binder).</p>													
<p>PREPARATION FOR BLOWING</p>	<p>Before proceeding with the blowing of Politerm® Wall R, appropriate openings must be made in the wall (holes Ø 4 - 5 cm) for the insertion of the product and the simultaneous extraction of air from the cavity.</p> <ul style="list-style-type: none"> · Panels up to 4 m: 3 openings. The openings should be made at the two corners and at the center of the wall, at the highest possible points, to ensure maximum filling of the affected volume. · Panels larger than 4 m: one opening every 2 m at least. The openings will also allow checking the achievement of the maximum filling level. 													
<p>BLOWING</p>	<p>Use the appropriate equipment Politerm® Wall Blow* (suction/blowing gun), which, when connected to a compressor with suitable specifications, allows the extraction of Politerm® Wall R directly from the bags and the blowing of the product (indicative yield of 1 m³ in approx. 7 - 9 minutes, depending on site conditions). The use of Politerm® Wall Blow equipment allows blowing directly from the bags, eliminating the transfer operations and subsequent product dispersions into the surrounding environment.</p> <p>WALL FIX R VARIANT: the additional Politerm® Wall Blow Fix equipment is required for the spraying of the binder. This equipment will be connected to the same compressor used for Politerm® Wall R.</p> <p>*Refer to the "Equipment Brochure" Edilteco.</p>													
<p>TECHNICAL CHARACTERISTICS</p>	<table border="1"> <tr> <td>Regranulated content:</td> <td>15%</td> </tr> <tr> <td rowspan="2">Apparent specific weight of the blown product:</td> <td>Politerm® Wall R: 8 - 12 kg/m³</td> </tr> <tr> <td>Politerm® Wall Fix R: 10 - 14 kg/m³</td> </tr> <tr> <td>Thermal conductivity λ_{0,1}:</td> <td>0,043 W/mK</td> </tr> <tr> <td>Specific heat:</td> <td>1450 j/KgK</td> </tr> <tr> <td rowspan="2">Water vapor permeability coefficient μ:</td> <td>Politerm® Wall R: 1</td> </tr> <tr> <td>Politerm® Wall Fix R: 5</td> </tr> </table>	Regranulated content:	15%	Apparent specific weight of the blown product:	Politerm® Wall R: 8 - 12 kg/m ³	Politerm® Wall Fix R: 10 - 14 kg/m ³	Thermal conductivity λ _{0,1} :	0,043 W/mK	Specific heat:	1450 j/KgK	Water vapor permeability coefficient μ:	Politerm® Wall R: 1	Politerm® Wall Fix R: 5	
Regranulated content:	15%													
Apparent specific weight of the blown product:	Politerm® Wall R: 8 - 12 kg/m ³													
	Politerm® Wall Fix R: 10 - 14 kg/m ³													
Thermal conductivity λ _{0,1} :	0,043 W/mK													
Specific heat:	1450 j/KgK													
Water vapor permeability coefficient μ:	Politerm® Wall R: 1													
	Politerm® Wall Fix R: 5													
<p>All the information provided in this technical datasheet is purely indicative and not legally binding. The data reported is derived from laboratory tests, and as such, in practical applications on-site, the final characteristics of the products may undergo substantial variations depending on weather conditions and installation practices. The user must always verify the suitability of the product for its specific use, assuming all responsibility inherent and derived from its use: in addition to adhering to all application methods and usage standards generally referred to as "best practices." Edilteco S.p.A. reserves the right to modify the content of this technical datasheet at its sole discretion and without prior notice. The distribution, by any means, of this datasheet supersedes and nullifies the validity of any previously published technical datasheet.</p>														



Edilteco S.p.A. Via dell'Industria, 710 . 41038 San Felice sul Panaro (MO) Italy . Ph. +39 0535 82161 . Fax +39 0535 82970
www.edilteco.com | info@edilteco.com

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

DEDICATED PRODUCTS

BLOWING GUN

Politerm® Wall R

Composed of:

- Politerm® Wall Blow blowing gun (available for rent).
- Compressor - minimum output 3 bar (not provided).

POLITERM® WALL BLOW

- Ø outer diameter of the hose: 38 mm
- Ø inner diameter of the hose: 25 mm



EQUIPMENT FOR BLOWING AND CONSOLIDATING INJECTION

Politerm® Wall Fix R

Composed of:

- Politerm® Wall Blow blowing gun (available for rent).
- Politerm® Wall Blow Fix binder tank (available for rent).
- Compressor - minimum capacity 500 L/min (not supplied).

