

POLITERM® WALL / WALL FIX

SUPERLIGHT THERMAL INSULATING AGGREGATES
FOR DRY BLOWING INTO CAVITY WALLS



POLITERM® WALL / WALL FIX
Superlight thermal insulating aggregates for dry blowing into cavity walls

<p>PRODUCT</p>	<p>POLITERM® WALL Closed-cells virgin beads of expanded polystyrene for dry blowing into cavity walls and surrounding voids, with constant curve grain-size (Ø 3 - 6 mm), perfectly spherical, with controlled density, non-toxic, non-absorbent, rotproof, dust free, dimensionally stable over time, with no nutritional values for the growth of fungi and bacteria. The production is completely free of chlorofluorocarbons.</p> <p><i>also available in the version</i> WALL FIX (harden into cavity walls) Using a specific equipment, the thermal insulating aggregates Politerm® Wall are sprayed with the specific additive [yield approx. 2 kg/m³] into the partition wall. Thanks to this solution the insulating beads, after to be blown, avoid the coming out in case of future interventions on the walls (duct, perforation, etc.).</p>	
<p>PACKAGING AND STORAGE</p>	<ul style="list-style-type: none"> · Bag of 500 L · Do not store for long time under direct sunlight. 	
<p>APPLICATION FIELDS</p>	<ul style="list-style-type: none"> · Thermal insulation, filling of cavity walls and close spaces. · Energy efficiency works on existing buildings, where any other type of thermal insulation work is possible. It can be realized also on single houses or flats. 	
<p>CONSUMPTION / YIELD</p>	<p>To fill a volume of 1 m³, 2 bags of Politerm® Wall are necessary. (Politerm® Wall Fix: +2 kg/m³ of hardening additive).</p>	
<p>PREPARATION FOR BLOWING</p>	<p>Before starting to blow Politerm® Wall, you have to prepare suitable openings on the walls (holes of Ø 4 - 5 cm) for the introduction of the product and the extraction of the air that is in the cavity wall.</p> <ul style="list-style-type: none"> · Extensions up to 4 m: n° 3 openings. The openings must be done in the two corners and at the centre of the wall, in the highest position to guarantee the complete filling of the volume. · Extensions over 4 m: at least one opening for every 2 m. Through the openings it would also be possible to check the maximum level of filling. 	
<p>BLOWING</p>	<p>Use the specific equipment Politerm® Wall Blow* (suction/pumping gun), connected to a suitable compressor. It takes Politerm® Wall directly from the bag and blow it into the cavity wall (approx. yield 1 m³ in 7 - 9 minutes, according to the building site conditions). The direct blowing from the bags avoids product dispersion.</p> <p>WALL FIX VERSION: it is required a further equipment called Politerm® Wall Blow Fix to spray the hardening additive. This equipment will be connected to the same compressor used for the Politerm® Wall.</p> <p>* Consult "Edilteco's Equipment catalogue".</p>	



Thermal Insulation & Chemicals Division



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= ISO 9001 =

CHARACTERISTICS

- Specific weight of the introduced product:
Politerm® Wall 8 - 12 kg/m³
Politerm® Wall Fix 10 - 14 kg/m³
- Thermal conductivity $\lambda_0 = 0,043$ W/mK

All the indications provided in this technical data sheet are purely approximate and not binding for legal purpose. The data listed has been gathered from laboratory tests and it hence follows that in practical applications on building sites the final characteristics of the products may be subject to substantial variations depending on the meteorological conditions and the installation. The user must always check suitability of the product for its specific use, undertaking all liability implicit in and deriving from use of the product, as well as comply with all methods and instructions for use generally referable to "workmanlike" execution. Edilteco S.p.A. reserves the right to change the contents of this mechanical data sheet on its final judgements. The spreading of this data sheet through any media, supersedes and cancels the validity of any other technical data sheet previously published.

SPECIFIC EQUIPMENT

BLOWING EQUIPMENT

Politerm® Wall

Composed of:

- Pumping gun Politerm® Wall Blow (rental).
- Compressor - min. capacity 3 bar (rental).

POLITERM® WALL BLOW

- \varnothing external pipe: 38 mm
- \varnothing internal pipe: 25 mm



BLOWING AND SPRAYING EQUIPMENT FOR HARDENING ADDITIVE

Politerm® Wall Fix

Composed of:

- Pumping gun Politerm® Wall Blow (rental).
- Tank consolidator Politerm® Wall Blow Fix (rental).
- Compressor - min. capacity 500 L/min (not supplied).



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