



POLITERM WALL AND POLITERM WALL FIX

superlight, thermal insulating aggregates
for **dry blowing into cavity walls**



THERMAL

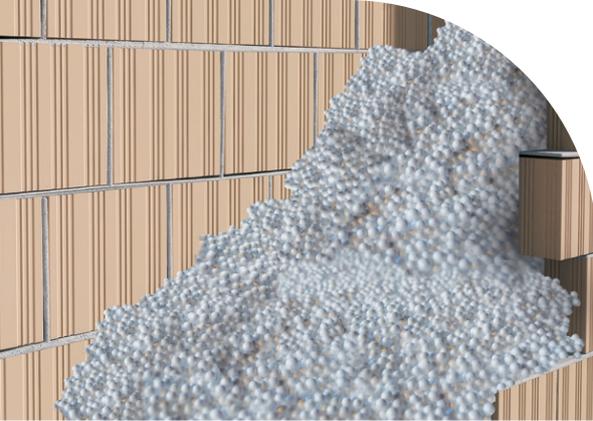
Insulation & Chemicals Division

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APPLICATION MANUAL . POLITERM WALL / POLITERM WALL FIX

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Politerm Wall

SUPERLIGHT, THERMAL INSULATING UNBINDED MATERIAL FOR DRY BLOWING INTO CAVITY WALL

PREPARATION FOR BLOWING

Before starting to blow Politerm Wall, prepare suitable openings (holes of a diam. of 4 - 5 cm) in the walls for the introduction of the product and the evacuation of the air present inside the cavity wall during the blowing process.

- **Walls up to 4 m:** n° 3 openings.
The openings must be done in the two corners and at the center of the wall, in the highest possible position in order to guarantee the complete filling of the desired volume.
- **Walls over 4 m:** at least one opening every 2 m.
Through the openings, it will also be possible to check the maximum level of filling visually or using a borescope. The yield or fill rate depends on the flow rate of the compressor.

BLOWING Requires a compressor with a minimum flow rate of 3 bar (photo n° 2)

1. Connect the Politerm Wall Blow to the compressor using the appropriate hoses and connectors.
2. Enter the product drain pipe end into the opening of the wall prepared previously.
3. Put the suction pipe end into the Politerm Wall bag.
4. Open the taps of the compressed air on the compressor and of the Politerm Wall Blow gun.
5. Proceed to blow the beads into the cavity.
6. Close the openings after the filling.

EXAMPLE OF BLOWING TIME:

COMPRESSOR FLOW RATE	BLOWING TIME PER m ³
3 bar	~ 9 min.

WARNINGS

The yield depends on the flow rate of the compressor.

EQUIPMENT



1)

POLITERM WALL BLOW
(Available for rental or purchase)



2)

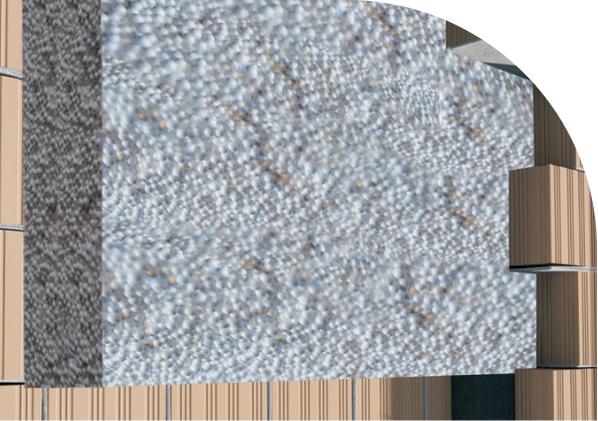
COMPRESSOR
(Not supplied)



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Politerm Wall Fix

SUPERLIGHT, THERMAL INSULATING BINDED MATERIAL
FOR DRY BLOWING INTO CAVITY WALL

PREPARATION FOR BLOWING

Before starting to blow Politerm Wall, prepare suitable openings (holes of a diam. of 4 - 5 cm) in the walls for the introduction of the product and the evacuation of the air present inside the cavity wall during the blowing process.

- **Walls up to 4 m:** n° 3 openings.
The openings must be done in the two corners and at the center of the wall, in the highest possible position in order to guarantee the complete filling of the desired volume.
- **Walls over 4 m:** at least one opening every 2 m.
Through the openings, it will also be possible to check the maximum level of filling visually or using a borescope. The yield or fill rate depends on the flow rate of the compressor.

BLOWING (Requires a compressor with a minimum flow rate of 500 L/min)

a) CONNECTIONS:

1. Connect the compressor (2 drains and 2 fittings are compulsory) to the combining container (A and B quick connect).
2. Connect the air tube between the combining container and the blowing gun (C and G quick connect).
3. Connect the drain tube for the binding product between the combining container and the blowing gun (bayonet mounts D and H quick connect).

b) GAUGES:

1. Pressure gauge of the air supply to the blowing gun (L): constant at 6 Bar.
2. Combining gauge (M): constant at 4 Bar of pressure; DO NOT OPERATE AT A PRESSURE < 2 bar during the discharge phase.

c) TESTING THE DOSAGE OF THE ADDITIVE:

1. Connect the air tube from the compressor to the combining container (A quick connect).
2. Connect the provided drain tube for the test (see photo) to one of the bayonet mounts on the combining container (D, according to the flow of the compressor).
3. Open first the air valve (A) from the compressor and then the valve corresponding to the bayonet mount in use. Enter the exhaust end of the drain tube into a graduated cylinder and verify the flow rate of the binding product using a stopwatch.
4. In case of irregularities in the binding product flow rate, increase the flow rate by opening the valve on the bayonet mount in use and repeat step 3 until the correct flow rate is achieved.

INDICATIONS OF THE DISCHARGE TIME ACCORDING TO THE AIR FLOW

COMPRESSOR FLOW RATE	PRESSURE GAUGE READING	BLOWING TIME PER m ³	Q.TY OF BINDING MATERIAL kg/m ³
3 bar	6 bar	~ 9 min.	~ 2 kg/m ³
4 bar		~ 7 min.	
5 bar		~ 6 min.	

Note: after the text of additive addition and the start-up of the equipment during the pumping the first m³ of Politerm Wall Fix, it is suggested to check the discharge time of the m³ of Politerm Machine to perform the correct addition of additive.

d) WASHING OF THE COMBINING CONTAINER:

1. Close all of the valves on the bayonet mounts for the binding material (D).
2. Remove the air tubes from the combining container (C) and (B) and close the respective valves.
3. Close the valve connecting the compressor to the combining container (A).
4. Remove the air pipe connecting the compressor to the combining container and then open the valve in order to discharge any air pressure within the combining container.

4



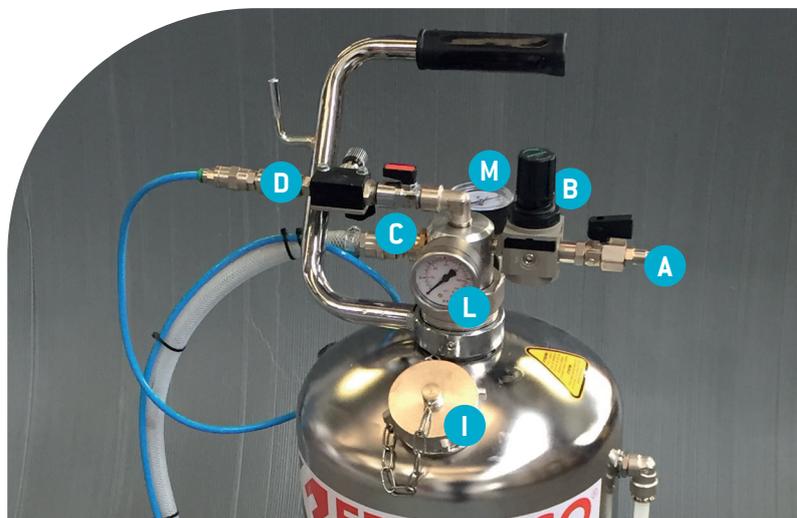
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5. Once all of the air has been discharged from the container, open the cap of the container (I) and empty out any binding material still present inside the container.
6. Fill the container with clean water (minimum 5 L) and screw the cap (I) back on. Move the container (shake it) in order to rinse out its inside. Unscrew the cap (I) and empty out the container. Repeat this operation (point 6) at least 2 times.
7. Once you have rinsed the inside of the container, you must now rinse out the inside of the fittings. Fill the container again with clean water screw on the cover (I). Reconnect the compressor to the combining container, open the valve (A) and flush out the fittings using the water inside the container by opening the valves on the bayonet mounts one by one (D).



COMPRESSOR:

- A1. Air Out Attachment.
- A2. Air Out Attachment.

COMBINING CONTAINER:

- A. Air supply for the binding material from the compressor.
- B. Air supply for the blowing gun from the compressor.
- C. Air supply to the blowing gun.
- D. Bayonet mounts for the binding material to the blowing gun.
- L. Gauge for the combining container pressure.
- M. Gauge for the air supply pressure.

GUN:

- H. Connector for the binding material.
- G. Connector for the air supply.

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