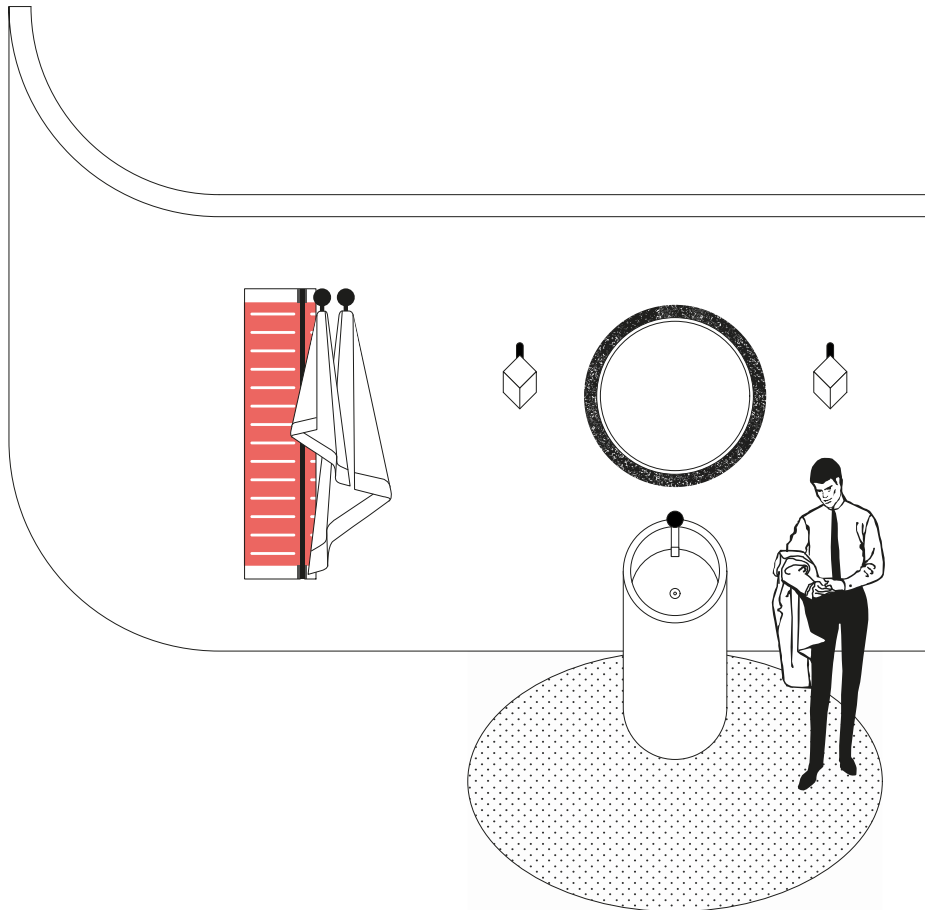


MORE PAD HV INVISIBLE HEATER

PRE-ASSEMBLED KIT FOR ELECTRIC RADIANT HEATING
OF WALL SECTIONS.



PRE-ASSEMBLED KIT FOR HEATING INTEGRATION OF WALL SECTIONS

ADVANTAGES:

- Architectural integration
 - Low consumption
 - Kit with possibility to install accessories
 - Versatility of finish
-

CONTROL

- Manual switch
- Electric timer
- Chronothermostat
- Gateway (MORE APP - Temperature control - Voice Assistant)

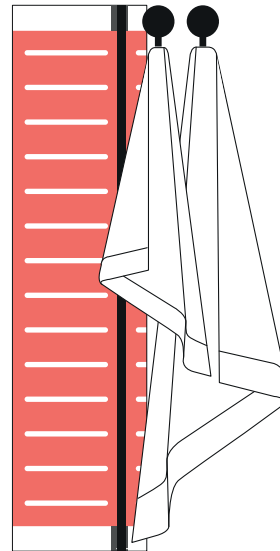
WHAT IS MORE PAD HV INVISIBLE HEATER?

MORE PAD HV is an innovative electric and invisible towel and bathrobe warmer, made through the coupling of an insulation panel self-bearing, ultra-thin rear panel and a heating element consisting of PAD 230 V technology. The latter consists of a very thin mat (1.25 mm thick) made from a semiconducting, modulating and self-regulating technopolymer that heats up when electric current passes through it.

MORE PAD HV is powered by low-voltage electricity (230 V AC) and is encased in a dielectric protection consisting of an outer silicone coating.

The reaction triggered by the passage of the current consists of a molecular vibration of the nanoparticles that generates progressive heating of the semiconducting polymer. As the temperature of the mat increases, the nanoparticles contained in the polymer compound, move away from each other resulting in a progressive decrease in electrical continuity; the closer the temperature approaches the maximum threshold reached by the polymer, the lower the electrical absorption of the mat. This characteristic, called PTC (Positive Temperature Coefficient), exploits the heating of the material to limit the current flowing through it (and therefore electrical consumption) by gradually increasing the resistance of the semiconductor as the temperature rises.

Therefore, for the same end effect (temperature of the heating element), using this semiconductor technology significantly cuts down on overall power consumption of the system compared to a similar heater with electrical conductors operating through heating resistors, thanks to the natural, automatic modulation and self-adjustment of the end temperature, without any thermostatic control and limiting element.



DESCRIPTION

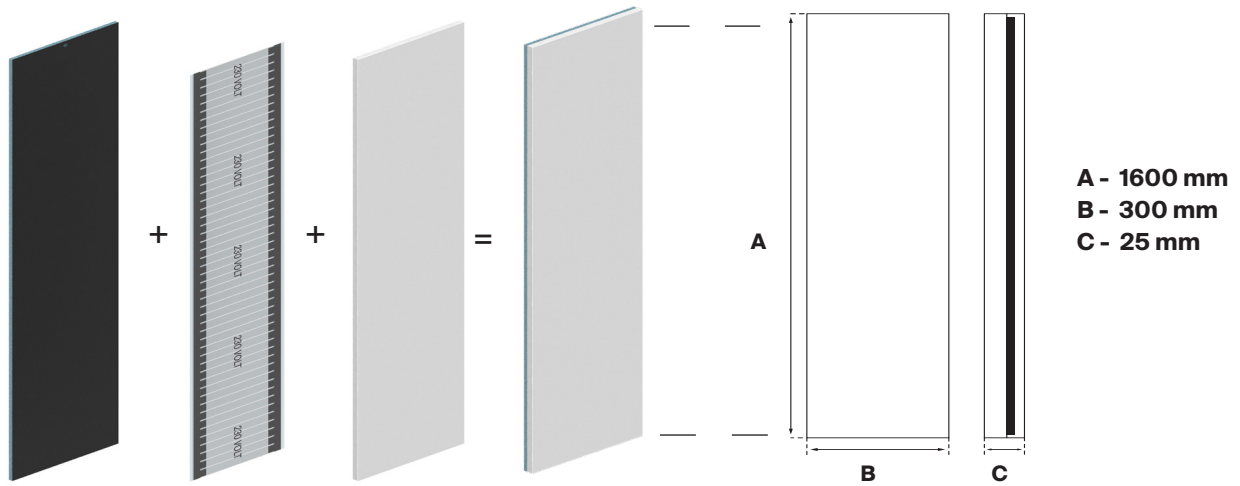
MORE PAD HV INVISIBLE HEATER is a product consisting of 1 or 2 strips of 230V PAD pre-coupled to a self-bearing rear insulation panel. Depending on the installation requirements, it is available in two versions: with and without factory pre-coupled surface finish plasterboard.

PAD HV 1:

The PAD HV 1 package contains:

- **No. 1** Reinforced XPS insulation panel (12.5 mm).
- **No. 1** PAD mat (1.25 mm).
- **No. 1** Milled plasterboard panel for housing the PAD mat.
- **No. 1** Thermosensitive sheet for identifying in-wall heated contours.
- Wooden pins Ø 6x100 mm.

Code	Dimension Width x Height (mm)	thickness (mm)
4078M.30.00	300 x 1600	25
4078M.60.00	600 x 1600	25

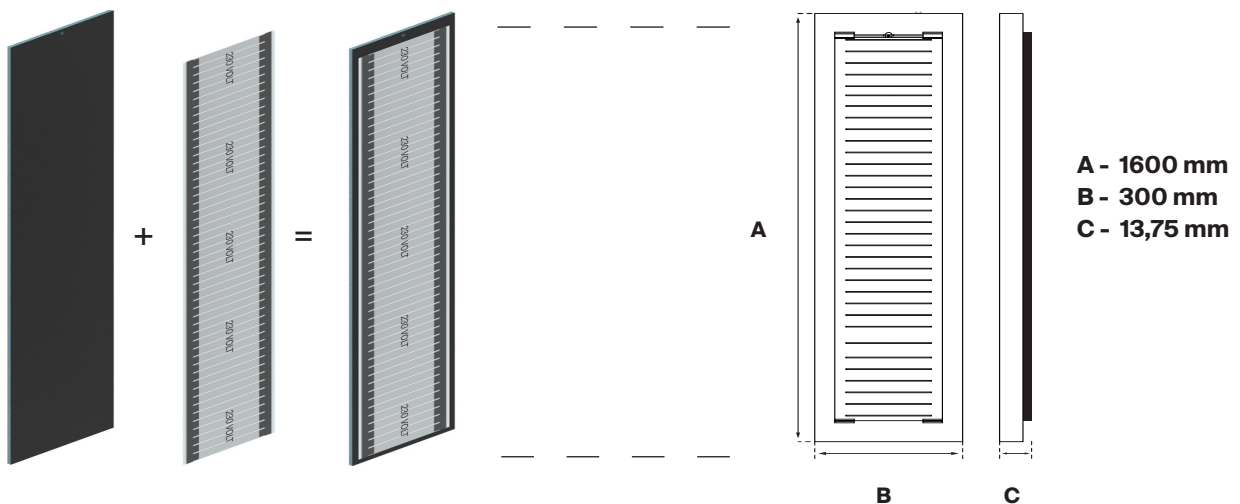


PAD HV 2:

The PAD HV 2 package contains::

- **No. 1** Reinforced XPS insulation panel (12.5 mm).
- **No. 1** PAD mat (1.25 mm).
- **No. 1** Thermosensitive sheet for identifying in-wall heated contours.
- Wooden pins Ø 6x100 mm.

Code	Dimension Width x Height (mm)	thickness (mm)
4078M.30.10	300 x 1600	13,75
4078M.60.10	600 x 1600	13,75



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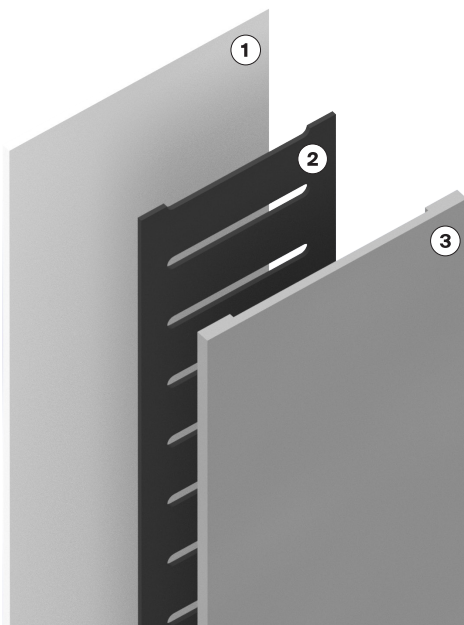
PAD HV INVISIBLE HEATER

Semiconductor material	PE	
Dielectric protection material	silicone	
Conductor material	copper braid	
Double-sided tape material	butyl compound	
Equivalent braid section	3	mm ²
Specific weight of PAD 230V mat	1,11	Kg/m ²
PAD 230V mat width	300	mm
PAD 230V mat thickness	1,25	mm
External strip size (HxL)	1600 x 300	mm
Heated strip length	1600	mm
Overall size single PAD HV1 (HxL)	1600 x 300	mm
Overall size double PAD HV1 (HxL)	1600 x 600	mm
Overall size single PAD HV2 (HxL)	1600 x 300	mm
Overall size double PAD HV2 (HxL)	1600 x 600	mm
Total thickness PAD HV1	25	mm
Total thickness PAD HV2	13,75	mm
Rated absorbed power (at 20°C) PAD HV1 single	90	W
Rated absorbed power (at 20°C) PAD HV1 double	180	W
Rated absorbed power (at 20°C) PAD HV2 single	90	W
Rated absorbed power (at 20°C) PAD HV2 double	180	W
Electrical power supply	230	V AC
Absorption reduction (when reaching final temp)	-30	%
Nominal temperature (at 20°C) in a confined environment	45	°C
Max. temperature (with limited heat exchange with the environment)	65	°C
Reaction to fire EN 13501-1;2019	classe E	Efl

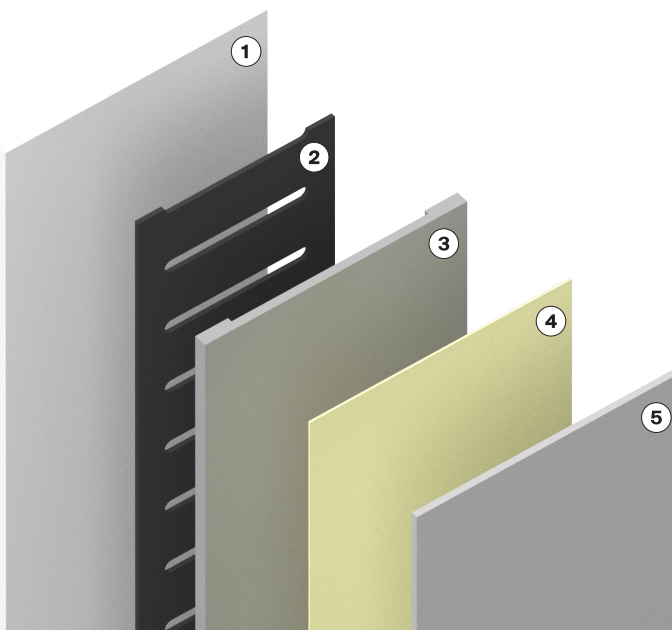
PAD HV 1:
INSTALLATION on plasterboard wall PAD HV 1:



STRATIGRAPHY PAD HV 1 (plasterboard finish):

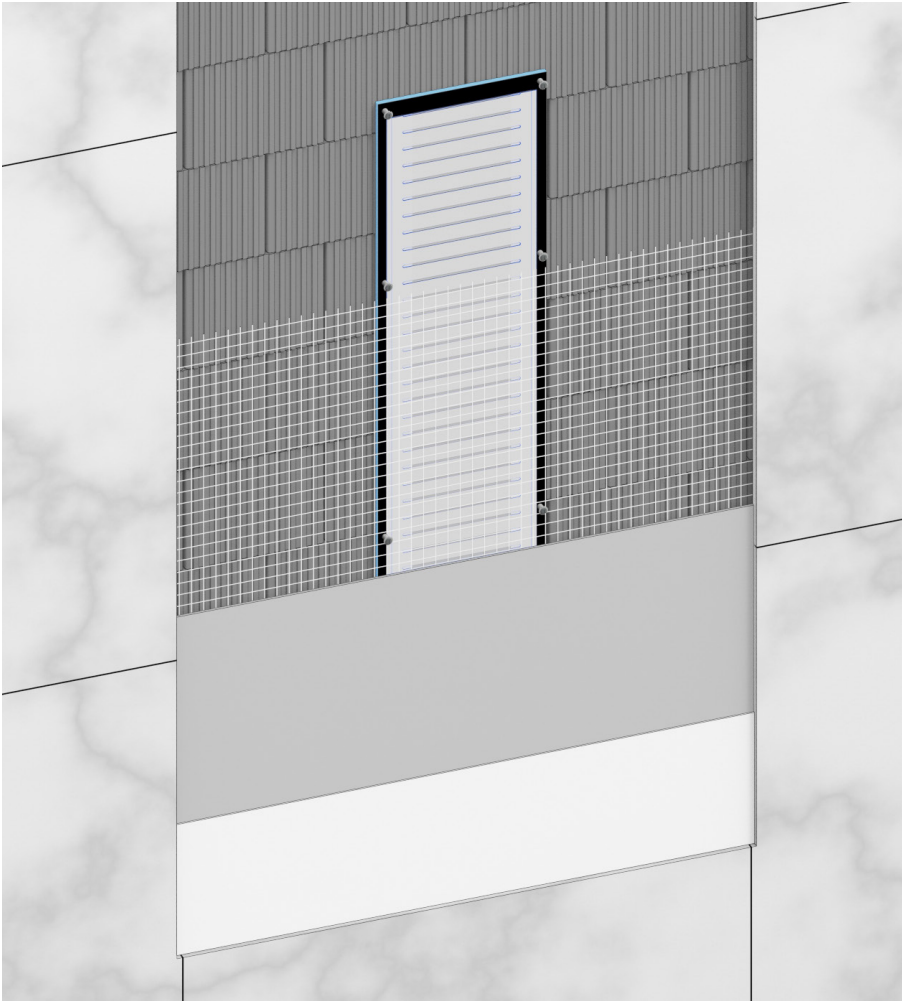
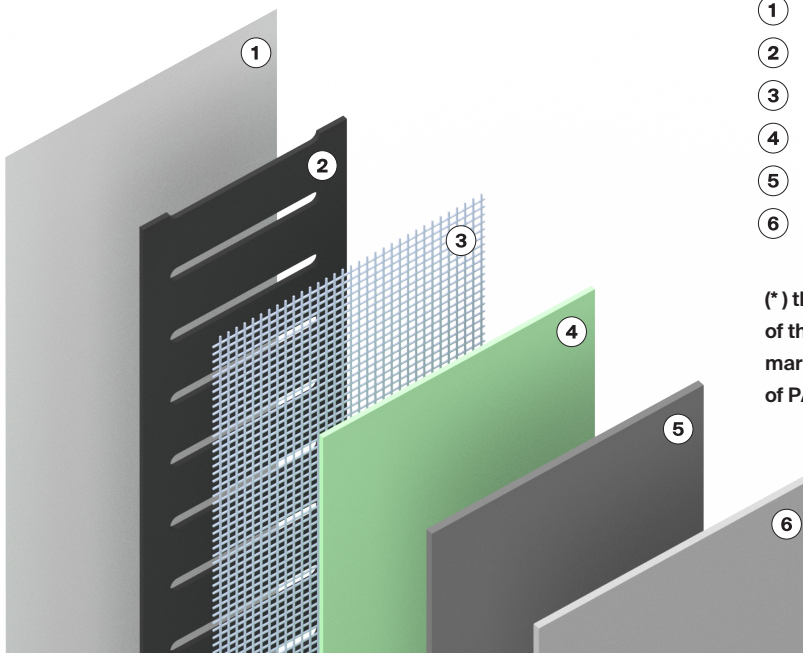


- ① Sheet in reinforced polystyrene → 12.5 mm thick
- ② PAD 230 → 1,25 mm thick recessed inside
- ③ Plasterboard sheet → 12,5 mm thick

INSTALLATION on plasterboard wall PAD HV 1:**STRATIGRAPHY PAD HV 1 (finish in Wood, Ceramic, Marble):**

- ① Sheet in reinforced polystyrene → 12,5 mm thick
- ② PAD 230 → 1,25 mm thick recessed inside:
- ③ Plasterboard sheet → 12,5 mm thick
- ④ Glue → 3 mm thick
- ⑤ Finish (Wood, Ceramic, Marble) (*) → 10 mm thick

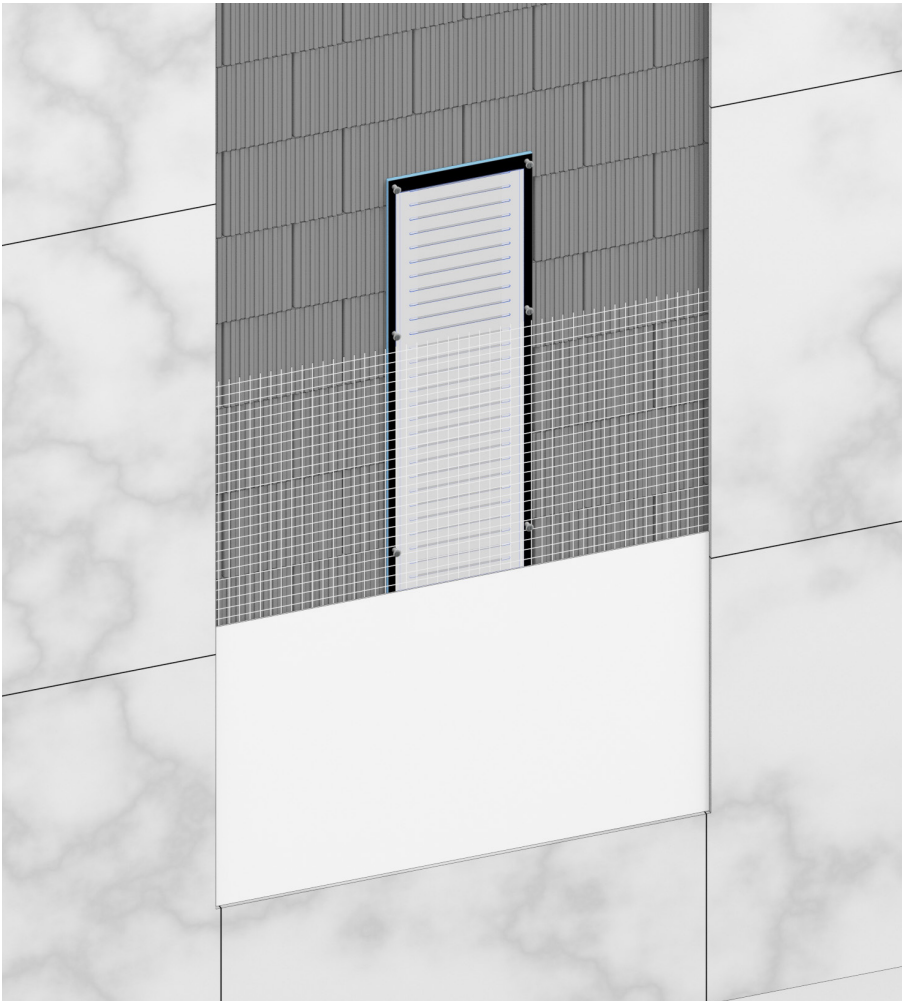
(*) the type of finish chosen may influence the final result of the product. Highly conductive surfaces such as paint, marble and ceramics will guarantee the best performance of PAD HV.

PAD HV 2:**INSTALLATION on masonry wall PAD HV 2:****STRATIGRAPHY PAD HV 2 (Glue + Finish in Wood, Ceramic, Marble) :**

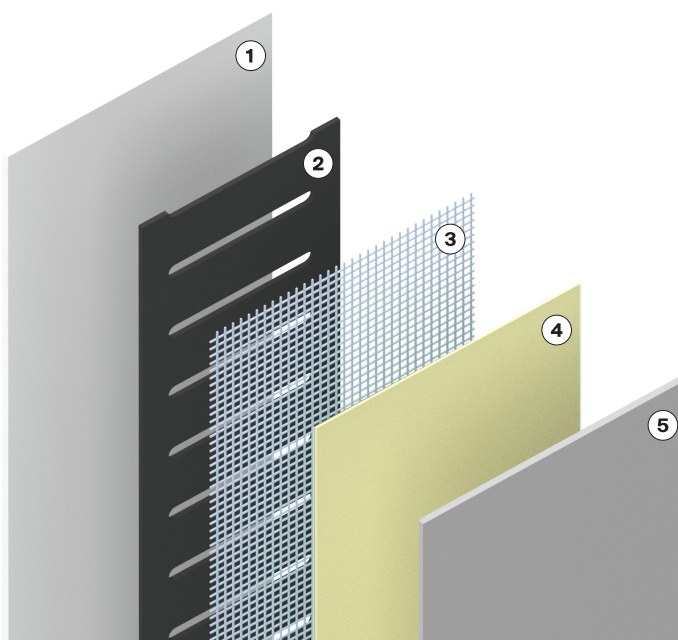
- ① Sheet in reinforced polystyrene → 12,5 mm thick
- ② PAD 230 → 1,5 mm thick
- ③ Reinforced mesh → Mesh 10x10
- ④ Cement mortar → 5 mm thick
- ⑤ Cement-based adhesive → 3 mm thick
- ⑥ Finish (Wood, Ceramic, Marble) (*) → 10 mm thick

(*) the type of finish chosen may influence the final result of the product. Highly conductive surfaces such as paint, marble and ceramics will guarantee the best performance of PAD HV.

INSTALLATION on masonry wall PAD HV 2:



STRATIGRAPHY PAD HV 2 (Glue + Finish in Wood, Ceramic, Marble) :



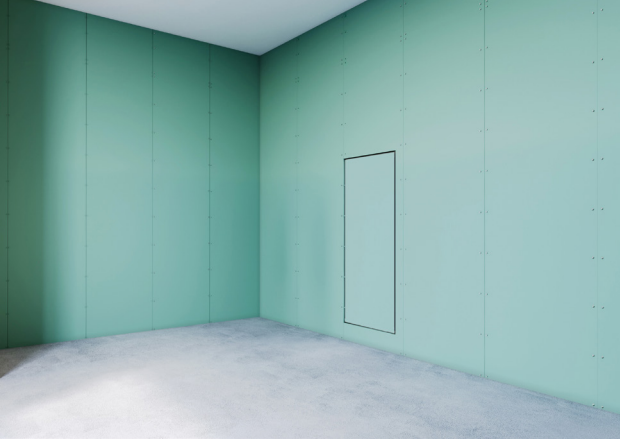
- ① Sheet in reinforced polystyrene → 12,5 mm thick
- ② PAD 230 → 2,5 mm thick
- ③ Reinforced Mesh → Mesh 10x10 1 mm thick
- ④ Glue → 3 mm thick
- ⑤ Finish (Wood, Ceramic, Marble) (*) → 10 mm thick

(*) the type of finish chosen may influence the final result of the product. Highly conductive surfaces such as paint, marble and ceramics will guarantee the best performance of PAD HV.

PAD HV1 plasterboard wall INSTALLATION
(1600x300 mm):



**PAD HV1 plasterboard wall
INSTALLATION (1600x600 mm)::**



PAD HV2 masonry wall INSTALLATION
(1600x300 mm):



PAD HV2 masonry wall INSTALLATION
(1600x600 mm):



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MORE ▲
the wellbeing

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