Floor line

POLYCELL 30 BLUESTAR

Excellent stability at a great cost

ADVANTAGES

- Good value

DESCRIPTION

Resilient insulation layer made up of polyethylene foam with uniform density over the entire surface of 30 kg/m 30 kg/mc, available in thicknesses of 3, 5 and 10 mm. It is particularly suitable for heavy floors and guarantees excellent stability of the slab at an extremely low cost.

SIZE

Thickness	mm	3 mm	5 mm	10 mm
Format	Spool	1,50 x 100 m	1,50 x 100 m	1,50 x 50 m
Packaging	Spool	150,0 mq	150,0 mq	75,0 mq
Weight	Kg/mq	0,09 kg/mq	0,15 kg/mq	0,30 kg/mq

TECHNICAL INFORMATION		3 mm	5 mm	10 mm
Noise reduction	UNI EN ISO 140/7	25 dB	31 dB	29 dB
Dynamic stiffness	UNI EN 29052-1	101 MN/mc	68 MN/mc	48 MN/mc
Resonant frequency	UNI EN 29052-1	112,29 Hz	92 Hz	77 Hz
Density	ISO 845	30 Kg/mc	30 Kg/mc	30 Kg/mc
Compressibility	UNI EN 12431			0,6 mm (CP^2)
Creep test a 10 anni (1,5 kPa)	UNI EN 1606		10,0 %	
Creep test a 10 anni (2,0 kPa)	UNI EN 1606		15,6 %	
Creep test a 10 anni (2,6 kPa)	UNI EN 1606		24,6 %	
Thermal conductivity	ASTM C-177	0,055 W/mK	0,055 W/mK	0,055 W/mK

ACOUSTIC DATA		3 mm	5 mm	10 mm
$L'_{nt,0,w}$ (dB) Test on bare floor		85	85	85
$L'_{nt,0,w}$ (dB) Test with screed + acoustic membrane	Massetto sp. 4 cm	62	54	57
	Massetto sp. 6 cm	60	54	56
	Massetto sp. 8 cm	57	50	52
$\Delta L_{nt,w}$ (dB) Improvement due to the screed + acoustic mantle system	Massetto sp. 4 cm	23	31	28
	Massetto sp. 6 cm	25	31	29
	Massetto sp. 8 cm	28	35	33

DOP

POLYMAXITALIA SRL headquartered in Via Fusina no. 12 of Castelfranco Veneto, a company operating in the production and marketing of materials and systems for the acoustic insulation of buildings and subjected to quality control ISO 9001, with reference to European Regulation 305/2011 (ex Directive 89/106), regulating the performance of construction products, in force since 1 year. July 2013:
"in the absence of harmonised European standards for products with a sound insulation function, result in performance dependent not on the individual product but on a combination of components and the basic building system",

DECLARES

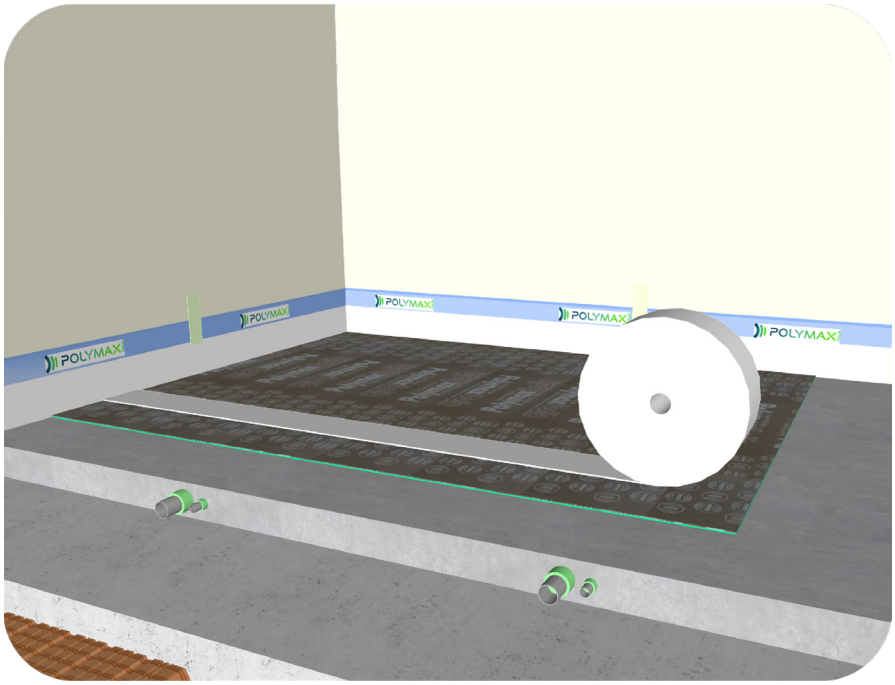
than for the product POLYCELL 30 BLUESTAR sp. 3, 5 e 10 mm, is not bound to the certification process aimed at the production of the declaration of performance.
In this regard, the data reported in the relevant product fiche are authentic.

LAYING SCHEME

Step 1: Laying of the POLYBAND AD perimeter desolarizing strip

Apply the adhesive part of the **POLYBAND AD** desolarizing tape, removing the protective foil, at the base of the wall and support with some pieces of tape the protective nylon that must be laid on top of the radiant panel. The strip is laid with the shorter side of the nylon-strip fastening towards the lightened screed. This application must be carried out continuously on the entire perimeter of the rooms to be treated.

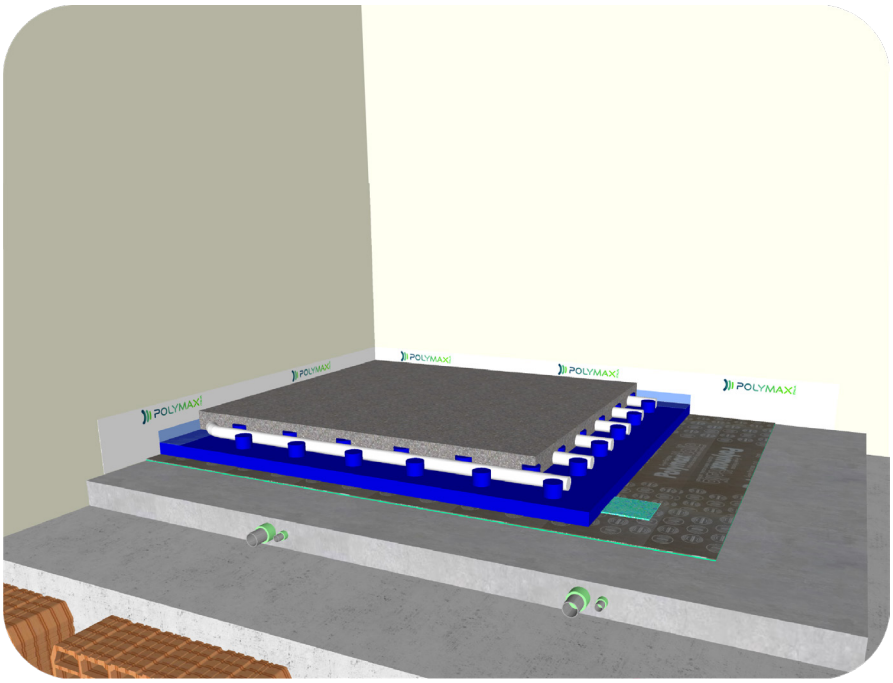
Step 2: Laying of the acoustic coating and sealing



Lay the anti-pitting coat on the surface of the lightened screed, once cleaned from various debris from previous work. The cover should be laid with edges well placed and cut as close as possible to the outer edge, so as to avoid dangerous acoustic bridges. Once the acoustic coating is installed on the entire surface to be treated, all joints must be uniformly sealed with **ROTOCELL AD** adhesive strip.

Place the thermal insulation elements of the radiant panel as close as possible to the perimeter strip, avoiding too much space and thus creating acoustic bridges. Before the circuit is laid, remove the protective nylon tape and lay it over the elements. Only at this stage install the various circuits and block the nylon with the most perimeter piping.

Step 3: Laying of radiant panel

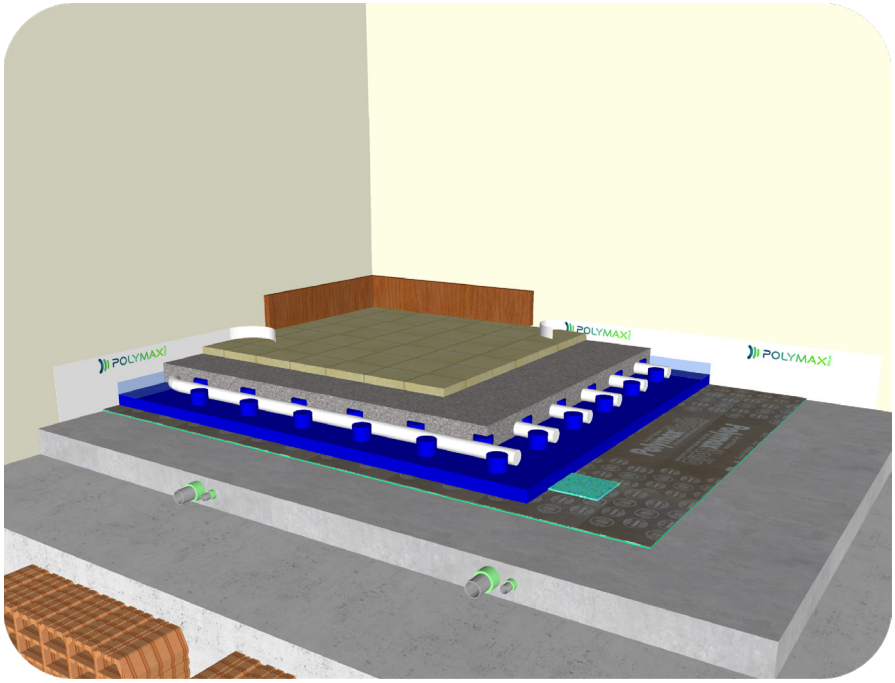


Cast of traditional concrete screed, possibly reinforced, with a thickness of about 50 mm above the insulation board bumps. The thickness of this layer will influence the choice of the most appropriate acoustic coating and determine the operation of the underfloor heating.

NOTE: in the absence of a radiant panel

In the case of absence of the radiant panel follow the same procedure indicated above, omitting step 3 and replacing the perimeter band indicated with **SUPERFASCIA AD**. In this particular case the cast of the traditional concrete screed, possibly reinforced, may have a thickness ranging from 35 mm to about 70 mm and will influence the choice of the most appropriate acoustic layer. The installation must always be carried out as indicated in UNI 11516:2013.

Step 4: Finishing and plinth laying



Install by gluing or floating system the finishing floor of any type and thickness. Only after this operation can the excess of the **POLYBAND AD** desolarizing strip be removed and the baseboard installed. It is recommended not to lay the baseboard completely on the floor but to leave a minimum of air blade and seal with elastic glue.

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