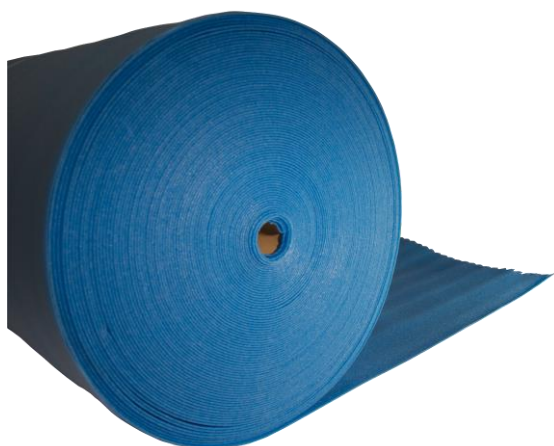


# POLYCELL 30 BLUESTAR

10 mm



## ADVANTAGES

Great value for money  
Constant density over the entire  
surface of the material

## DESCRIPTION

Resilient insulation layer made up of polyethylene foam with uniform density over the entire surface of 30 kg/m<sup>3</sup>, 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     | 10 mm               |
| Format    | Roll   | 1,5 x 50 m          |
| Packaging | Pallet | 75,0 m <sup>2</sup> |

### TECHNICAL INFORMATION

|                      |                  |                      |                                      |
|----------------------|------------------|----------------------|--------------------------------------|
| Noise reduction      | $\Delta L_{n,w}$ | 29 dB                | UNI EN ISO 140/7<br>UNI EN ISO 717/2 |
| Dynamic rigidity     | $s'$             | 48 MN/m <sup>3</sup> | UNI EN 29052-1                       |
| Resonant frequency   | $f_r$            | 77 Hz                |                                      |
| Thermal conductivity | $\lambda$        | 0,6 mm               | ISO 845:2006                         |
| Density              | $\rho$           | 30 Kg/m <sup>3</sup> | ISO 845:2006                         |
| Compressibility      | CP2              | 0,6 mm               | UNI EN 12431                         |

## ACOUSTIC DATA

| L' <sub>nt,0,w</sub> (dB)<br><br>Test on<br>bare floor | L' <sub>nt,w</sub> (dB)<br><br>Please try screed + acoustic mantle |                      |                      | ΔL <sub>nt,w</sub> (dB)<br><br>Improvement due to the system screed +<br>acoustic mantle |                      |                      |
|--------------------------------------------------------|--------------------------------------------------------------------|----------------------|----------------------|------------------------------------------------------------------------------------------|----------------------|----------------------|
|                                                        | Screed 4 cm<br>thick                                               | Screed 6 cm<br>thick | Screed 8 cm<br>thick | Screed 4 cm<br>thick                                                                     | Screed 6 cm<br>thick | Screed 8 cm<br>thick |
|                                                        | 85                                                                 | 57                   | 56                   | 52                                                                                       | 28                   | 29                   |

## SPECIFICATION TEXT

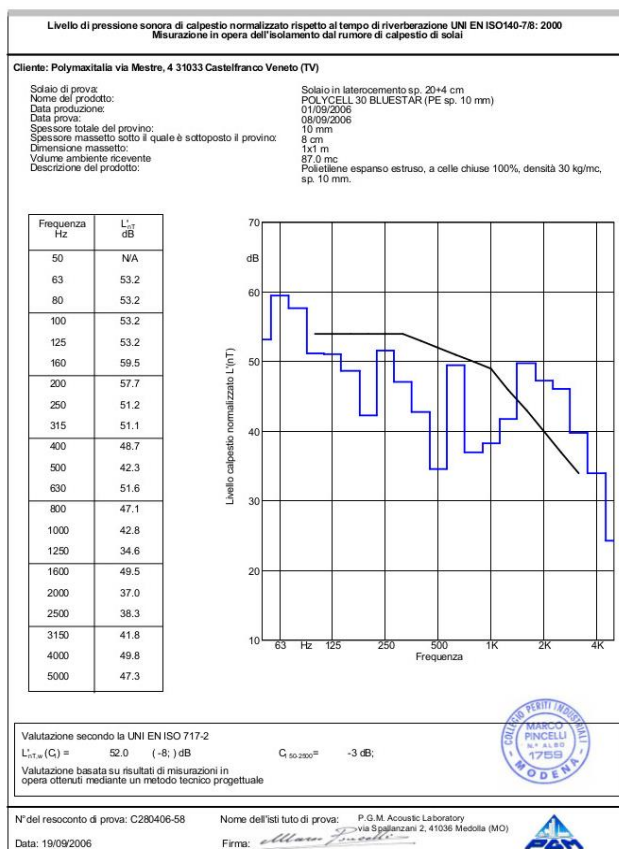
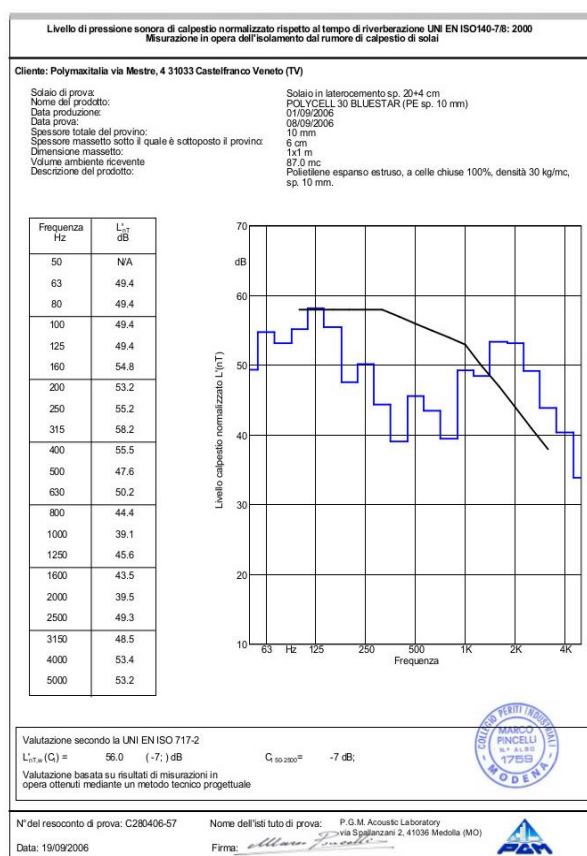
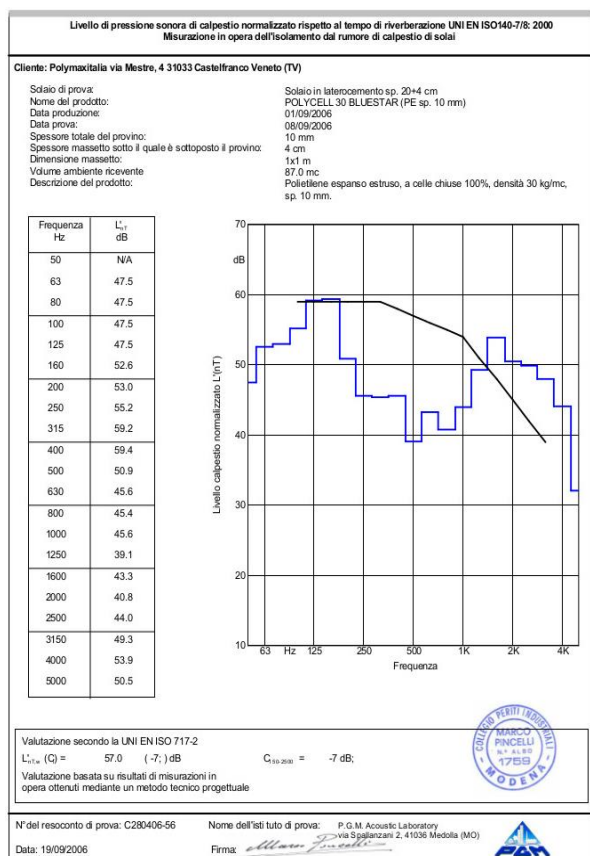
Floor footfall noise insulation is obtained by laying of the 10 mm thick POLYCELL 30 BLUESTAR acoustic underlay, made of a polyethylene foam layer with 100% closed cells and a controlled density of 30 kg/m<sup>3</sup>, blue colour.

This product is supplied in rolls of 1.50 x 100 m and provides a footfall noise reduction level of  $\Delta L_{nw} = 29$  dB (according to UNI EN ISO 140/7 and UNI EN ISO 717/2), a Dynamic Rigidity of  $s' = 48$  MN/m<sup>3</sup> (according to UNI EN 29052-1).

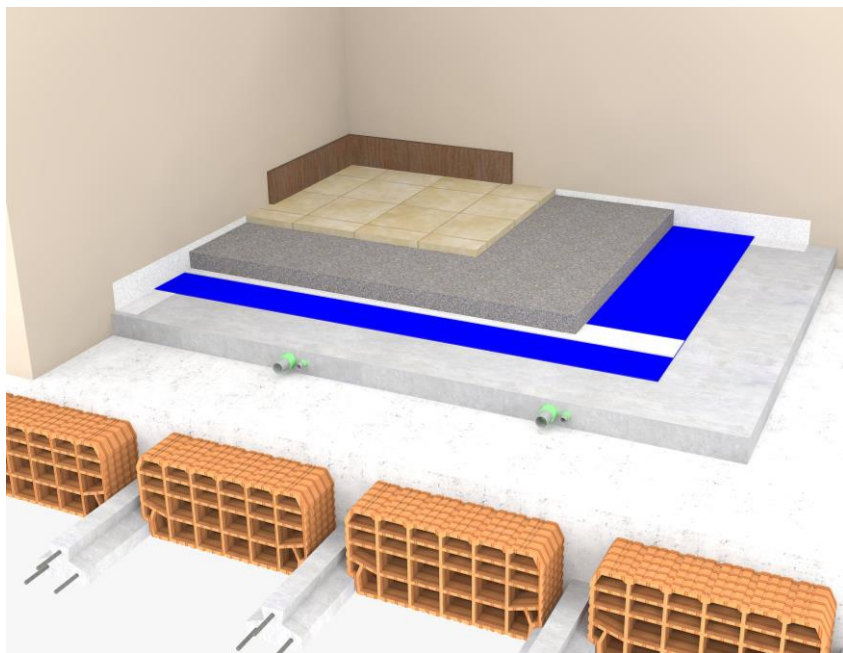
This product must be laid carefully by matching the edges and sealing all the joints using the ROTOCELL AD adhesive strip.

Detachment from the walls is ensured by means of continuous fastening along the entire perimeter of the rooms with the application of the special SUPERFASCIA AD perimeter strip, which should protrude from the level of the finished floor.

# PAGES EXTRACTED FROM ORIGINAL CERTIFICATES



## EXAMPLE LAYING



- 1 Wood / ceramic flooring
- 2 Sand-concrete slab
- 3 **POLYCELL 30 BLUESTAR 10 mm** acoustic insulation layer
- 4 Slab lightened to cover plant-engineering systems
- 5 Perimeter isolation strip

## ACCESSORIES FOR CORRECT LAYING



### ROTOCELL AD

It is necessary to seal all the joints of the various acoustic products, both for floors and walls.



### SUPERFASCIA AD

It is suitable for separating the screed and the floor from vertical partitions and must be laid in a continuous manner without interruptions.



### FASCIA POLYBAND AD/N

It is suitable for separating the screed and the floor from vertical partitions. This strip is particularly suitable for applications with underfloor heating.

**ATTENTION:** This document is not a specific. Will be care of users establish if the product is appropriate for the intended use.

Rev. 0 - 21/05/2019

**Emanuele Bonifazi**  
Responsabile Direzione Tecnica