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# Decorative Wave

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## Natural materials for technical solutions

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### Description

Decorative references are made of MDFaçade, responding to the customization challenge posed by the architecture and design, and are recommended for interior/exterior applications.

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### Advantages







- 100% natural and fully recyclable
- Excellent thermal and acoustic insulation
- Mechanical stability
- Healthier natural product
- CO<sub>2</sub> sink (Carbon Negative)
- Visual Cork

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### Product specifications

- Density: 140 +/- 10 kg/m<sup>3</sup>
- Thermal Conductivity: 0,043 W/m.K
- Fire Reaction: Euroclass E



Model	Reference	Surface (mm)	Thicknesses (mm)
	Wave S1	1000x500	40 to 100
	Wave L1	1000x500	50 to 100
	Wave L2	1000x500	70 to 100
	Barcode	1000x500	50 to 100
	Pointcloud	1000x500	50 to 100
	Circles	1000x500	40 to 100

## ABSORPTION

Product/Constructive System	Standard	Result
Wave S1	EN11654:1997	$\alpha_w=0,40$ /Class D/NRC = 0,30
Wave L2	EN11654:1997	$\alpha_w=0,40$ /Class D/NRC = 0,35
Pointcloud	EN11654:1997	$\alpha_w=0,40$ /Class D/SAA = 0,31

## AIRBORNE SOUND REDUCTION (WALL)

Product/Constructive System	Standard	Result
Pointcloud (Single brick wall with 150mm + plaster 15mm on both sides + Pointcloud 50mm)	ISO 10140 - 1:2016 (except annexes J and K); ISO 10140 - 2:2010; ISO 10140 - 4:2010; ISO 717 - 1:2013	$R_w = 43$ (-1;-3;0;-3) dB

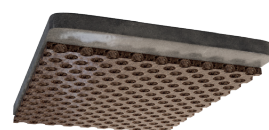
## AIRBORNE SOUND REDUCTION (CEILING)

Product/Constructive System	Standard	Result
Pointcloud (Concrete slab with 140mm + false ceiling with 12,5mm plasterboard + Pointcloud 50mm)	ISO 10140 - 1:2016 (except annexes J and K); ISO 10140 - 2:2010; ISO 10140 - 4:2010; ISO 717 - 1:2013	$R_w = 71$ (-3;-8;-2;-8) dB

## Application systems: Adhesive walls



## Application systems: Decorative Ceilings



### Amorim Cork Insulation

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