



Multi-Comfort  
House

# SATE PARED EXTERIOR – PARED INTERIOR SECCIÓN HORIZONTAL

V nbp-sp2012-1.0

**ISOVER**  
SAINT-GOBAIN

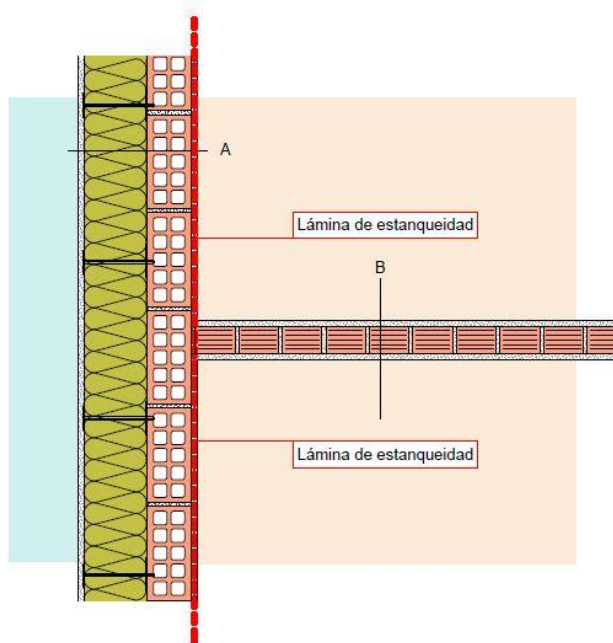
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# 1. DETALLE CONSTRUCTIVO

## A7

### SATE - Pared exterior - pared interior (sección horizontal)



#### Sección A en mm

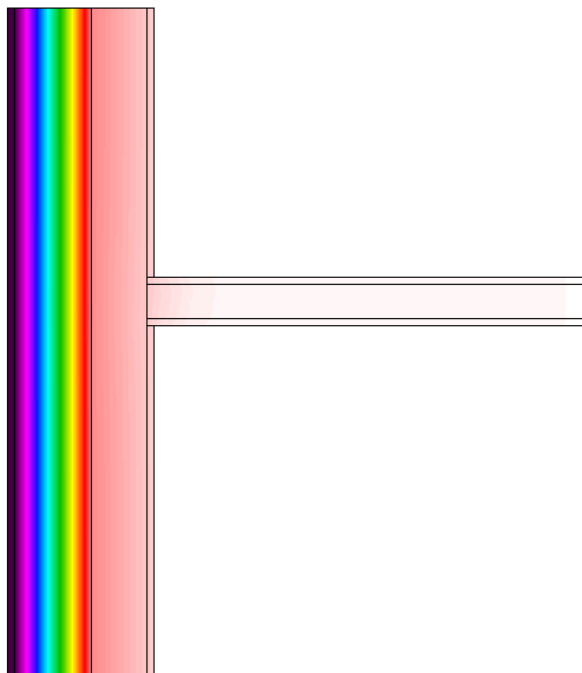
- 15 Revestimiento interior
- 115 Ladrillo cerámico perforado
- 160 Aislamiento ISOVER. Panel ISOFOX de lana de roca ( $\lambda=0,036$ )
- 15 Revestimiento exterior

#### Sección B en mm

- 15 Revestimiento interno
- 70 Ladrillo cerámico perforado
- 15 Revestimiento exterior

## 2. ISOTHERMAS

homogen	U(Decke gg EB, horiz)=	0,000 W/m <sup>2</sup> K
	U(AW gg AL, vert)=	0,196 W/m <sup>2</sup> K
aus Therm Berechnung		
	U(Decke gg AL, horiz)=	0,000 W/m <sup>2</sup> K
	U(Wand erdberührt, vert)=	W/m <sup>2</sup> K
	U(Wand, vert)=	0,205 W/m <sup>2</sup> K
<b>Wärmestrom pro Längeneinheit</b>		
<b>homogen</b>		
	Q/l=(U*b)*delta T=	0,253 W/m
<b>Wärmestrom pro Längeneinheit</b>		
<b>Wärmebrücke</b>		
	Q(außen, horiz, vert)/l=(U*b)*delta T=	0,265 W/m
Summe:		0,265 W/m
<b>Leitwertzuschlag L(Psi)</b>		<b>0,012 W/mK</b>



### 3. CALCULO DE TRANSMITANCIA

Passive House Planning						
U - VALUES OF BUILDING ELEMENTS						
Building: <input type="text"/>						Wedge Shaped Building Element Layers and Still Air Spaces -> Secondary Calculation to the Right
<b>A7 Section A</b>						
Assembly No. Building Assembly Description						
Heat Transfer Resistance [m²K/W]				interior R <sub>si</sub> :	0,13	
				exterior R <sub>se</sub> :	0,04	
Area Section 1	λ [W/(mK)]	Area Section 2 (optional)	λ [W/(mK)]	Area Section 3 (optional)	λ [W/(mK)]	Total Width Thickness [mm]
1. internal rendering	0,700					15
2. ceramic perf bricks	0,250					115
3. ISOFEX	0,036					160
4. external rendering	1,000					15
5.						
6.						
7.						
8.						
			Percentage of Sec. 2	Percentage of Sec. 3		Total
						<b>30,5</b> cm
				U-Value:	<b>0,196</b>	W/(m²K)
<b>A7 Section B</b>						
Assembly No. Building Assembly Description						
Heat Transfer Resistance [m²K/W]				interior R <sub>si</sub> :	0,17	
				exterior R <sub>se</sub> :	0,17	
Area Section 1	λ [W/(mK)]	Area Section 2 (optional)	λ [W/(mK)]	Area Section 3 (optional)	λ [W/(mK)]	Total Width Thickness [mm]
1. internal rendering	0,700					15
2. ceramic perf bricks	0,250					70
3. internal rendering	0,700					15
4.						
5.						
6.						
7.						
8.						
			Percentage of Sec. 2	Percentage of Sec. 3		Total
						<b>10,0</b> cm
				U-Value:	<b>1,509</b>	W/(m²K)