


Fire resistance classes for use as wall elements															
 Product	Fire resistance class		max. span [m]						Type	Element thickness (D) [mm]	required cover shell thickness ¹⁾ (t _{nom}) [mm]		Classification report / Notes		
			Option 1 (in accordance with EN 14 509 and EN 1364-1)			Option 2 (in accordance with EN 15 254-5 *)								outside	inside
					orientation: v = vertical h = horizontal						orientation: v = vertical h = horizontal				
			partition	external wall	v	h	v	h			v	h			
Hoesch isorock HP	EN 13501-2	EI 90	EI 90 (o ↔ i)	≤ 4,00	X	X	-	-	-	S1-02	≥ 100	0,40 bis 0,80	0,40 bis 0,80	PK2-05-21-906-E-0 (vertical) FIRES-CR-125-20-AURE (horizontal) (The classification is valid to fire action on both panel faces, only if the sealing fo gasket is placed in the groove of joints on both sides of the panel.)	
		EW 90	EW 90 (o ↔ i)		X	X									
		EI 60	EI 60 (o ↔ i)	≤ 4,00	X	X	≤ 7,50	X	X	S1-02					
		EW 60	EW 60 (o ↔ i)		X	X		X	X						
		EI 60	EI 60 (o ↔ i)	≤ 4,00		X	≤ 6,00		X	S1-02					
		EW 60	EW 60 (o ↔ i)			X			X						
		EI 45	EI 45 (o ↔ i)	≤ 4,00		X	≤ 7,50		X	S1-02					
		EW 45	EW 45 (o ↔ i)			X			X						

¹⁾ min. and max. cover sheet thickness. Outside the tolerance range no fire resistance class of the elements.

* EN 15254-5, Extended application of results from fire resistance tests for wall

