HOESCH Bausysteme GmbH

Fire resistance classes for use as wall elements																
Product	Fire resistance class			max. span [m]						foam system	Element thickness (D) [mm]	required cover shell thickness[1] (tnom) [mm]		Certificate / Test report	comments
				Option 1 (in accordance with EN 14 509 and 1364-1)			Option 2 (in accordance with EN 15 254-5 *)								
					orientation: v = vertical h = horizontal			orientation: v = vertical h = horizontal							
		partition	external wall		v	h		v	h			outside	inside		
isowand vario FIREtec®	EN 13 501-2	EI 30	EI 30 (o↔i)	≤ 4,0	X					IPN 3	≥ 140	0,55 to 0,95	0,55 to 0,95	FIRES-CR-163-18-AURE / FIRES-CR-164-18-AURE /	Please note the longitudinal joint construction according to classification report!
		EW 30	EW 30 (o↔i)		X										
		EI 30	EI 30 (o↔i)	≤ 4,0		X				IPN 3		0,55 to 0,95	0,40 to 0,80	FIRES-CR-112-18-AURE / FIRES-CR-113-18-AURE /	Please note the longitudinal joint construction according to classification report!
		EW 30	EW 30 (o↔i)			X									
			EI 30-ef (o→i)	≤ 4,0	X					IPN 3	≥ 100	0,40 to 0,70	0,40 to 0,70	FIRES-CR-165-18-AURE	Please note the longitudinal joint construction according to classification report!
			EW 30-ef (o→i)		X										
			EI 30 (o←i)	≤ 3,0	X					IPN 3		0,55 to 0,95	0,40 to 0,80	FIRES-CR-111-18-AURE	
			EW 30 (o←i)		X										

Fire resistance classes for use as roof elements								
Product	Fire resistance class			max. span [m]				
	EN 13 501-2	roof	test load [2] [kPa]	(in accordance with EN 14 509 and 1365-2)	foam system	Element thickness (D) [mm]	Certificate / Test report	comments
isodach integral FIREtec®		REI 30	0,40	≤ 3,20	IPN3	≥ 155	FIRES-CR-125-17-AUPE	Please note the longitudinal joint construction according to classification report!
		RE 60	0,40					

[1] min. and max. Cover sheet thickness. Outside the tolerance range no fire resistance class of the elements.

[2] when determining the max. snow load, please consider the "coefficients" in accordance with EN 1990 and EN 1991-1-3.

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