HOESCH Bausysteme GmbH

Fire resistance classes for use as wall elements																	
Product		Fire resistance class		max. span [m]									foam system	Element thickness (D) [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 *)			Option 3 (in accordance with EN 15 254-5 *) panel joints stitched every 3 m						
					orientation: v = vertical h = horizontal			orientation: v = vertical h = horizontal			orientation: v = vertical h = horizontal						
		partition	external wall		v	h		v	h		v	h				
isowand vario FIREtec®		EI 30	EI 30 (o↔i)	≤ 4,0	X	X [1]	≤ 12,00	X					IPN 3	≥ 140	FIRES-CR-107-17-AURE / FIRES-CR-109-17-AURE	Please note the longitudinal joint construction according to classification report!
		EW 30	EW 30 (o↔i)		X	X [1]	≤ 12,00	X								
			EI 30-ef (o→i)	≤ 4,0	X	X [1]							IPN 3	≥ 100	FIRES-CR-085-14-AURE	Please note the longitudinal joint construction according to classification report!
			EW 30-ef (o→i)		X	X [1]										
			EI 20 (o←i)	≤ 4,0	X	X [1]							IPN 3	≥ 100	FIRES-CR-086-14-AURE	
			EW 20 (o←i)		X	X [1]										
isowand integral FIREtec®	EN 13 501-2		EI 15-ef (o→i)	≤ 4,0	X	X [1]	≤ 11,77	X		≤ 12,0	X		IPN 3	≥ 100	FIRES-CR-087-14-AURE	Please note the longitudinal joint construction according to classification report!
			EW 15-ef (o→i)		X	X [1]	≤ 11,77	X		≤ 12,0	X					
			EI 20-ef (o→i)	≤ 4,0	X	X [1]				≤ 12,0	X		IPN 3	≥ 100		
			EW 30-ef (o→i)		X	X [1]				≤ 12,0	X					
			E 240-ef (o→i)	≤ 3,0	X	X [1]				≤ 12,0	X		IPN 3	≥ 100		
			EW 240-ef (o→i)		X	X [1]				≤ 12,0	X					
		EI 20	EI 20 (o←i)	≤ 4,0	X	X [1]							IPN 3	≥ 100	FIRES-CR-088-14-AURE	Please note the longitudinal joint construction according to classification report!
		EW 20	EW 20 (o←i)		X	X [1]										

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] not applicable in Germany

[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