HOESCH Epitöelemek (H)

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				
Thermowand FIREtec®			EI 15-ef (o → i)	≤ 4,00	X	X	≤ 12,00		X				E 312	≥ 80		
			EW 15-ef (o → i)		X	X			X							
			EI 20-ef (o → i)	≤ 4,00	X	X	≤ 9,24		X	≤ 12,00		X	E 312	≥ 80	FIRES-CR-084-11-AURE FIRES-ER-016-11-NURE	Please note the longitudinal joint construction according to classification report!
			EW 20-ef (o → i)		X	X			X			X				
			EI 30-ef (o → i)	≤ 4,00	X	X							E 312	≥ 80		
			EW 30-ef (o → i)		X	X										
			EI 30-ef (o → i)	≤ 4,00	X	X	≤ 10,29		X				E 312	≥ 100	FIRES-CR-167-10-AURE	
			EW 30-ef (o → i)		X	X			X							
		EI 15	EI 15 (o↔i)	≤ 4,00	X[1)]	X	≤ 11,51		X				E 312	≥ 100	FIRES-CR-204-13-AURE	Please note the longitudinal joint construction according to classification report!
		EW 15	EW 15 (o↔i)		X[1)]	X			X							
		EI 20	EI 20 (o↔i)	≤ 4,00	X[1)]	X							E 312	≥ 100		
		EW 20	EW 20 (o↔i)		X[1)]	X										
Kühlhauspaneel PU FIREtec®	EN 13501-2	EI 15	EI 15 (o ↔ i)	≤ 4,00	X	X	≤ 9,26		X	≤ 12,00		X	E 312	≥ 100	FIRES-CR-052-10-AUPE und FIRES-ER-013-10-NURE	Please note the longitudinal joint construction according to classification report!
		EW 15	EW 15 (o ↔ i)		X	X			X			X				
		EI 20	EI 15 (o ↔ i)	≤ 4,00	X	X							E 312	≥ 100		
		EW 20	EW 20 (o ↔ i)		X	X										
			EI 15-ef (o → i)	≤ 4,00	X	X	≤ 12,00		X				E 312	≥ 100	FIRES-CR-092-11-AURE und FIRES-ER-021-11-NURE	
			EW 15-ef (o → i)		X	X			X							
			EI 15-ef (o ↔ i)	≤ 4,00	X	X	≤ 11,55		X				E 312	≥ 100	FIRES-CR-133-11-AURE	
			EW 30-ef (o ↔ i)		X	X			X							
			EI 20-ef (o → i)	≤ 4,00	X	X							E 312	≥ 100	FIRES-CR-092-11-AURE	
			EW 20-ef (o → i)		X	X										
			EI 30-ef (o ↔ i)	≤ 4,00	X	X							E 312	≥ 100	FIRES-CR-133-11-AURE	Please note the longitudinal joint construction according to classification report!
			EW 30-ef (o ↔ i)		X	X	≤ 11,55		X							
			EI 30-ef (o → i)	≤ 4,00	X	X[1)]	≤ 12,00	X					E 312	≥ 200	FIRES-CR-091-11-AURE und FIRES-ER-020-11-NURE	
			EW 30-ef (o → i)		X	X[1)]		X								
			EI 60-ef (o → i)	≤ 4,00	X	X[1)]							E 312	≥ 200	FIRES-CR-091-11-AURE	
			EW 120-ef (o → i)	≤ 3,00	X	X[1)]										
			E 90-ef (o → i)	≤ 4,00	X	X[1)]	≤ 10,26	X		≤ 12,00	X		E 312	≥ 200	FIRES-CR-091-11-AURE und FIRES-ER-020-11-NURE	
			EW 90-ef (o → i)		X	X[1)]		X			X					
isowand design FIREtec®			EI 15-ef (o → i)	≤ 4,00	X	X							TK 3B-13	≥ 80	FIRES-CR-174-11-AUPE	
			EW 120-ef (o → i)		X	X										
			EI 20-ef (o → i)	≤ 4,00	X	X	≤ 9,63		X	≤ 12,00		X	E 312	≥ 100		
			EW 20-ef (o → i)		X	X			X			X				
			EI 30-ef (o → i)	≤ 4,00	X	X	≤ 9,28		X	≤ 12,00		X	E 312	≥ 100	FIRES-CR-148-10-AURE FIRES-ER-031-10-NURE	Please note the longitudinal joint construction according to classification report!
			EW 45-ef (o → i)		X	X			X			X				
			EI 30-ef (o → i)	≤ 4,00	X	X							E 312	≥ 100		
			EW 60-ef (o → i)		X	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
Thermodach FIREtec®		REI 20	0,20	≤ 2,00	E 312	≥ 95	FIRES-CR-083-11-AUPE	Längsfugenausbildung gem. Prüf- bzw. Klassifizierungsbericht beachten !
		RE 60						
		REI 30	0,20			≥ 115	FIRES-CR-022-13-AUPE	
		RE 90						

[1)] not applicable in Germany where AbP is valide
[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