

TECHNICAL DATA SHEET OF OUR LIGHTWEIGHT MATERIAL FOR CONSTRUCTION AND INSULATION.



COMPACFOAM is available in seven different material classes.

Please use the following table to determine the appropriate class, or contact us.

Sintered highly compressed EPS	CF 100	CF 125	CF 150	CF 200	CF 300	CF 400	CF eco	Standard
Compressive strength (N/mm²) with 10 % compression with 2 % compression	1,4 0,8	1,65 1,1	1,9 1,32	3,5 1,48	6,4 3,24	9,7	1,75 0,95	EN 826 based on above
Permissible stress (N/mm²) at 2% long-term deform. under constant load	0,56	0,78	0,83	1,01	2,39**	4,18**	0,58	internal
E-Module (N/mm²)	40	55	66	74	162	200	46	internal
Screw pull out* 0 4,5 mm (N) Screw pull out* 0 7,5 mm (N)	505 837	565 919	747 1.179	979 1 . 875	1.729 2.677	2.829 4.047	- 825	internal internal
Screw shear 0 4,5 mm (N) at 1.5 mm max. head deformation, 40 mm anchoring length, 30 mm edge distance	103	112	150	214	319	500	-	internal
Screw shear 0 7,5 mm (N) at 1.5 mm max. head deformation, 40 mm anchoring length, 30 mm edge distance	296	394	493	542	1.012	1.333	-	internal
Thermal conductivity Rated value (W/mK)	0,0387	0,0405	0,0423	0,0459	0,0531	0,0650	0,045	EN 12667
Water vapor diffusion resistance factor			~25					EN 12086-1
Fire behaviour	riour E (B1) flame-retardant						EN 13501-1 DIN 4102-1	
Maximum water absorption 28 days			~5%				EN 12087	

^{*} at 40 mm anchorage length ** 3% long-term deformation

COMPACT OAM is available in the shape and size you require.

You will always find up-to-date information about standard bar lengths and standard panel dimensions for each material class, tolerances or maximum and minimum production dimensions at www.wiki-compacfoam.info, as well as detailed information about complementary products and tool requirements, e.g. for saw blades.

FORMS OF DELIVERY

COMPACFOAM is available in panel, bar, profiled bar or blockware. Standard formats in all the required thicknesses (see table) and precision-fit special cuts to customer specifications are generally possible. We have a large number of options for preparing the panels to your requirements.

STANDARD PANEL FORMATS: All standard panels can also be supplied in half-lengths. The thickness of panels can be freely chosen.

Material classes	Length in mm	Width in mm		
CF 100	2350	780		
CI 100	2330	520		
CF 125	2250	760		
CF 123	2230	510		
CF 150	2150	680		
CL 120	2130	480		
CE 200	1980	660		
CF 200	1900	440		
CF 300	1700	600		
LF 300	1700	400		
CF 400	1600	450		
LF 400	1000	380		
	2350	1160		
CF eco	2330	580		
	1160	780		

PROCESSING

COMPACFOAM can be processed easily and economically with conventional woodworking machines. No carbide tools are required. The standard processes include sawing, planing, milling and drilling. COMPACFOAM only causes very low tool wear.

SCREWING: Conventional wood screws are used for screwing. No pre-drilling is required.

BONDING: COMPACFOAM can be easily bonded to other materials with e.g. 1-component polyurethane or MS polymer adhesives.

SEALING: Sealing can be carried out using conventional foils, bitumen waterproofing by flaming or liquid sealing systems (solvent-free).







Find further information at www.wiki-compacfoam.info

Your contact to COMPACF OAM

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