

# COMPACFOAM

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

EXTREMELY HIGH QUALITY.

EXTREMELY ECONOMICAL.



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/mm <sup>2</sup> ) with 10 % compression	1,4	1,65	1,9	3,5	6,4	9,7	1,75	EN 826	
with 2 % compression	0,8	1,1	1,32	1,48	3,24	4,0	0,95	based on above	
Permissible stress (N/mm <sup>2</sup> ) 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/mm <sup>2</sup> )	40	55	66	74	162	200	46	internal	
Screw pull out* Ø 4,5 mm (N)	505	565	747	979	1.729	2.829	-	internal	
Screw pull out* Ø 7,5 mm (N)	837	919	1.179	1.875	2.677	4.047	825	internal	
Screw shear Ø 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 Ø 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								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

# COMPACFOAM 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](http://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	780 520
CF 125	2250	760 510
CF 150	2150	680 480
CF 200	1980	660 440
CF 300	1700	600 400
CF 400	1600	450 380
CF eco	2350	1160 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](http://www.wiki-compacfoam.info)

## Your contact to COMPACFOAM

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