

EXTREMELY HIGH QUALITY.

EXTREMELY ECONOMICAL.

CF 100

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

COMPACFOAM is available in seven material classes, which differ for example in properties like compressive strength, thermal conductivity and screw pull out. Find the technical data sheets of all other material classes on www.compacfoam.com/downloads

Technical information and delivery forms

Standard formats: **1.980x660** mm; thickness of plates starts with **10** mm up to your free choice; For other lengths and formats feel free to contact us!

Sintered highly compressed EPS	CF 100	Standard
Compressive strength (N/mm ²) with 10 % compression	1,4	EN 826
with 2 % compression	0,8	based on above
Permissible stress (N/mm ²) at 2% long-term deform. under constant load	0,56	internal
E-Module (N/mm ²)	40	internal
Screw pull out* Ø 4,5 mm (N)	505	internal
Screw pull out* Ø 7,5 mm (N)	837	internal
* at 40 mm anchorage length		
Screw shear Ø 4,5 mm (N) at 1.5 mm max. head deformation, 40 mm anchoring length, 30 mm edge distance	103	internal
Screw shear Ø 7,5 mm (N) at 1.5 mm max. head deformation, 40 mm anchoring length, 30 mm edge distance	296	internal
Thermal conductivity Rated value (W/mK)	0,0387	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