

EXTREMELY HIGH QUALITY.

EXTREMELY ECONOMICAL.

CF 400

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: 1.600x450 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 400	Standard
Compressive strength (N/mm ²) with 10 % compression	9,7	EN 826
with 2 % compression	4,0	based on above
Permissible stress (N/mm ²) at 2% long-term deform. under constant load	4,18**	internal
	** 3% long-term deformation	
E-Module (N/mm ²)	200	internal
Screw pull out* Ø 4,5 mm (N)	2.829	internal
Screw pull out* Ø 7,5 mm (N)	4.047	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	500	internal
Screw shear Ø 7,5 mm (N) at 1.5 mm max. head deformation, 40 mm anchoring length, 30 mm edge distance	1.333	internal
Thermal conductivity Rated value (W/mK)	0,0650	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