

EXTREMELY HIGH QUALITY.

EXTREMELY ECONOMICAL.



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: 2.350 x 1.160 mm, 1.160 x 780; 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 eco | Standard |
|--|------------------------|--------------------------|
| Compressive strength (N/mm ²) with 10 % compression | 1,75 | EN 826 |
| with 2 % compression | 0,95 | based on above |
| Permissible stress (N/mm ²) at 2% long-term deform. under constant load | 0,58 | internal |
| E-Module (N/mm ²) | 46 | internal |
| Screw pull out* Ø 4,5 mm (N) | - | internal |
| Screw pull out* Ø 7,5 mm (N) | 825 | 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 | - | internal |
| Screw shear Ø 7,5 mm (N) at 1.5 mm max. head deformation, 40 mm anchoring length, 30 mm edge distance | - | internal |
| Thermal conductivity Rated value (W/mK) | 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 |