

JACKODUR® KF FT/FTR/FTS<sup>②</sup> technical data



| Dimensions     |                |                | Mechanical properties                    |                           |                           |                      | Tolerances          |                                    |                                     |                | Thermal conductivity  |
|----------------|----------------|----------------|------------------------------------------|---------------------------|---------------------------|----------------------|---------------------|------------------------------------|-------------------------------------|----------------|-----------------------|
| Thickness      | Width          | Length         | Compressive strength at 10 % deformation |                           |                           | Tensile strength     | Thickness           | Width                              | Length                              | Rectangularity | λ                     |
| EN 823<br>[mm] | EN 822<br>[mm] | EN 822<br>[mm] | DIN EN 826<br>[> 300 kPa]                | DIN EN 826<br>[> 500 kPa] | DIN EN 826<br>[> 700 kPa] | DIN EN 1607<br>[kPa] | [mm]                | [mm]                               | [mm]                                | [mm/m]         | EN 12667<br>[W/(m·K)] |
| > 8 - 20       | 450 - 1220     | 1200 - 4000    | ✓                                        | ✓                         | ✗                         | ≥ 600 <sup>③</sup>   | ± 0,15 <sup>④</sup> | ±1<br>≥ 1000 <sup>④</sup><br>± 2,5 | ± 10<br>≥ 3000 <sup>④</sup><br>± 15 | ≤ 5            | 0,034                 |
| > 20 - 30      | 450 - 1510     |                | ✓                                        | ✓                         | ✗                         |                      |                     |                                    |                                     |                |                       |
| > 30 - 100     | 450 - 1510     |                | ✓                                        | ✓                         | ✓ <sup>①</sup>            |                      |                     |                                    |                                     |                |                       |
| > 100 - 240    | 500 - 1000     | 1000 - 3000    | ✓                                        | ✓                         | ✓ <sup>①</sup>            |                      |                     |                                    |                                     |                |                       |

| Values                | Property                                                                                                                                                                         | Standard     | Unit     | Value                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|------------------------------------|
| Characteristic values | Application temperature                                                                                                                                                          | -            | °C       | -50 / +75                          |
|                       | Reaction to fire                                                                                                                                                                 | EN 11925-2   | -        | E                                  |
|                       | Water absorption on long-term immersion                                                                                                                                          | EN 12087     | Vol.-%   | ≤ 1,0                              |
|                       | Vapour diffusion-equivalent air layer thickness                                                                                                                                  | DIN EN 12086 | m        | 3 - 16 <sup>①</sup>                |
|                       | Dimensional stability at 70 °C and 90% relative humidity                                                                                                                         | EN 1604      | %        | ≤ 5                                |
|                       | Thermal expansion coefficient                                                                                                                                                    | -            | mm/(m*K) | 0,07                               |
|                       | E-modul, typical                                                                                                                                                                 | DIN EN 826   | N/mm²    | > 10 (≤37,5 mm)<br>> 15 (≥37,5 mm) |
|                       | Gross density, typical                                                                                                                                                           | EN 1602      | kg/m³    | > 35                               |
| Chemical resistance   | Water / seawater / saline solutions / alcohols / liquefied inorganic gases / bases / weak and diluted acids / bitumen / water-based cold bitumen / lime / cement / gypsum / sand |              |          |                                    |
| Properties of XPS     | closed cell, highly compression proof, flexible, water repellent, rot-proof, resistant to environmental degradation, non-ageing, non-UV resistant                                |              |          |                                    |
| Bonding technique     | e.g. adhesion with solvent-free hot-melt, epoxy and polyurethane adhesives                                                                                                       |              |          |                                    |
| Cutting technique     | Processing XPS with milling, sawing, glow wires, cutting, shearing                                                                                                               |              |          |                                    |



Free of HBCD flame retardants, chloro-fluorocarbons (CFCs) and propellants containing HCFCs and HFCs.



100% recyclable

You can find more information at [www.jackon-insulation.com](http://www.jackon-insulation.com)

- Safety data sheet
- EPD

JACKODUR® KF offers all the tried and tested properties; the material is compression proof, dimensionally stable, and moisture and rot resistant.

- ① Restrictions in the dimensions
- ② depending on thickness
- ③ dependent on the compressive strength
- ④ the specified tolerances can be defined as plus or minus values or as an individual composition

**Disclaimer**  
The information in this publication is based on our current knowledge and experience. It does not constitute a warranty in the legal sense. The specific conditions of the application must always be taken into account, particularly with regard to building physics, building technology and building law.