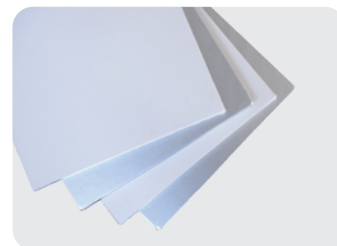


Introduction

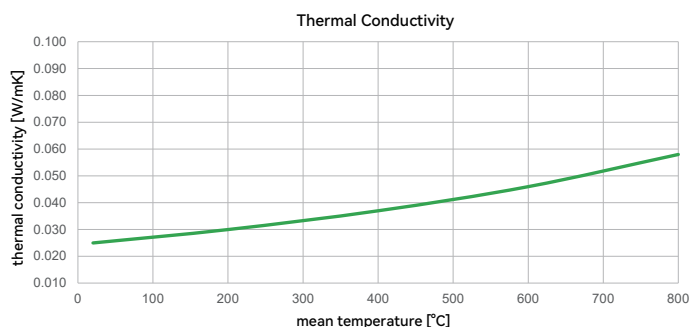
TT 1050Z ironflex is a flexible board designed for the iron and steel industry. With high compressive strength, it meets the industry's stringent requirements. The panel is protected by a PE bag to prevent water damage, and its vacuum-sealed design allows for easy installation in ladles and tundishes.



Technical Data

Thermal Conductivity

| | |
|------------------|-------------|
| 20 °C / 68 °F | 0.025 W/m K |
| 200 °C / 392 °F | 0.030 W/m K |
| 400 °C / 752 °F | 0.037 W/m K |
| 600 °C / 1112 °F | 0.046 W/m K |
| 800 °C / 1472 °F | 0.058 W/m K |



Other Technical Parameters

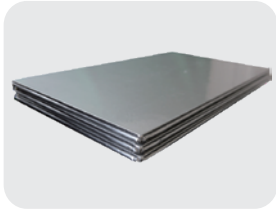
| | |
|--|---|
| classification temperature | 1050 °C / 1922 °F |
| continuous application temperature | 1000 °C / 1832 °F |
| shrinkage: at 1050 °C / 1922 °F one side 12 h ¹ | < 0.5 % |
| shrinkage: at 1000 °C / 1832 °F all sides 12 h | < 2.0 % |
| nominal density | 450 kg/m ³ |
| compressive strength at 400 °C | 5 % deformation: 0.33 MPa, 10 % deformation: 0.96 MPa |
| compressive strength at 800 °C | 5 % deformation: 0.42 MPa, 10 % deformation: 1.18 MPa |
| microporous core colour | white |

Available Sizes

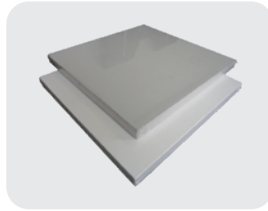
| | |
|------------|--|
| dimensions | 1000 x 600 mm, 500 x 400 mm, more sizes on request |
| thickness | 3-15 mm |
| tolerances | length and width: ± 2 mm; thickness (T): ± 1 mm |

1. measured at 25 mm thickness insulated towards room temperature. The shrinkage value refers to the surface on the hot side. This value represents common usage conditions of an insulation material.

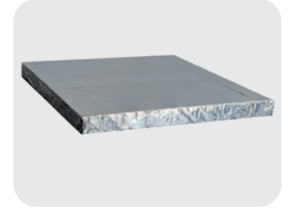
Surface Covering Options



ALU-PE vacuum bag
wrapping (default)



POF wrapped



Aluminium foil wrapped

Technical Limitation

Water and other liquids will irreversibly destroy the microporous structure and as a result the insulation performance of the material.

Declaration of Non-hazardousness

According to the regulation of the European union 2006/1907/EC this material is classified as non-hazardous. The used fibers are not respirable as defined by WHO.



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