

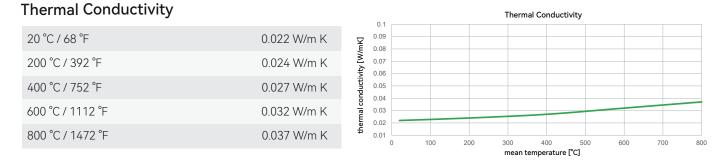
# TT 1000 eco

## Introduction

TT 1000 eco is a cost-effective microporous insulation board, offering a continuous application temperature of up to 900°C. It is specifically designed for high-efficiency thermal insulation in industrial furnaces and other thermal applications. The recommended thickness range for this product is 10-50 mm.



# **Technical Data**



## **Other Technical Parameters**

classification temperature	1000 °C / 1832 °F
continuous application temperature	900 °C / 1652 °F
shrinkage: at 1000 °C / 1832 °F one side 12 h 1	< 1.0 %
shrinkage: at 900 °C / 1652 °F all sides 12 h	< 2.0 %
nominal density <sup>2</sup>	270 kg/m³
compressive strength at 10 % deformation	≥ 0.27 MPa
microporous core colour	grey

### **Chemical Composition**

SiO <sub>2</sub>	60-80 %
SiC	20-40 %
Others	1-5 %

### **Available Sizes**

dimensions	1000 x 600 mm, 1000 x 1000 mm, 1320 x 1000 mm, more sizes on request
thickness	10–50 mm, more sizes on request
tolerances	length and width: $\pm$ 2 mm; thickness (T): T < 30 mm, $\pm$ 1 mm; T > 30 mm, $\pm$ 1.5 mm

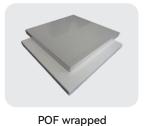
2. 25 mm thickness board, tolerance ± 5 %.

<sup>1.</sup> 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.



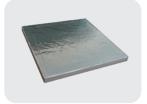
# TT 1000 eco

## **Surface Covering Options**





Aluminium foil wrapped



Aluminium foil laminated



Glass tissue laminated

The boards can be naked, wrapped or laminated with different coverings depending on your application. More coverings are available on request.

## **Other Customized Services**

#### **Cutting and Machinery Service**

We provide inhouse cutting and machinery service for your customized shapes or dimensions. Our boards can be cut, shaped, sawn, drilled and punched with conventional woodworking hand tools and automatic machinery and fixed with other insulators using glue, retaining pins and anchors.

#### **Net Shape Pressing**

We provide customized molds for larger quatities to improve cut-off losses.

# **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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