

Data sheet

# Superwool® HT Unifelt™ Board

ENGLISH

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## Description

Superwool® HT Unifelt™ boards are made of Superwool® HT fibres compositions, bonded with an organic binder which begins to burn out on exposure to 180-200°C (356-392°F) and which imparts high strength prior to heating. They show excellent flexibility properties which give good dimensional resilience after compression and make utilization of the boards or cut pieces very easy where rigid products are unsuitable.

Superwool® HT Unifelt™ boards are supplied in a wide range of thickness combining light weight, high heat resistance, low thermal conductivity with high sound absorption properties.

## Type

Vacuum formed felt manufactured from high temperature insulation wool.

## Classification temperature

Superwool® HT Unifelt™: 1250°C (2282°F) (EN 1094-1)

The maximum continuous use temperature depends on the application. Unaffected by most chemicals except strong alkalis, phosphoric acid and molybdenum. For further advice please contact your local Morgan Thermal Ceramics partner.

## Benefits

- Excellent insulating performance
- Flexibility, good resilience
- Excellent thermal stability
- Low heat storage
- Resistance to thermal shock
- Good sound absorption
- Can be easily cut
- Exonerated from any carcinogenic classification under nota Q of directive 97/69EC

## Typical applications

- Sealing
- Ingot insulation
- Expansion gaskets
- Back-up insulation



SDS:  
EU: 420  
NA: n/a  
GHS: n/a

## Data sheet

## Metric information

## Superwool® HT Unifelt™ Board

	Superwool® HT Unifelt™ board
Classification temperature, °C	1250
Colour	white/tan
Density, kg/m <sup>3</sup>	< 190
Thermal conductivity, ASTM C-201, W/m K	
@400°C	0.10
@600°C	0.15
@800°C	0.21
@1000°C	0.30
@1200°C	-
Permanent linear shrinkage EN 1094-1 after 24 hours isothermal heating, %	
@1100°C	< 1

## Availability and Packaging

The boards in standard size 1000 x 500mm are packed in cartons or shrink film wrapped pallets.

Thickness (mm)	Quantity per box	Quantity of boxes per palette
6	15	20
10	10	28
13	8	28
15	7	28
20	5	28
25	4	28
30	3	28
40	2	28
50	2	28

Other sizes or die cut pieces can be made available upon request (subject to minimum order requirements).

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**SUPERWOOL®** is a patented technology for high temperature insulation wools which have been developed to have a low bio persistence (information upon request). **SUPERWOOL®** products may be covered by one or more of the following patents, or their foreign equivalents:

**SUPERWOOL® PLUS** and **SUPERWOOL® HT** products are covered by patent numbers:  
US5714421 and US7470641, US7651965, US7875566, EP1544177 and EP1725503 respectively.

A list of foreign patent numbers is available upon request to Morgan Advanced Materials plc.

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