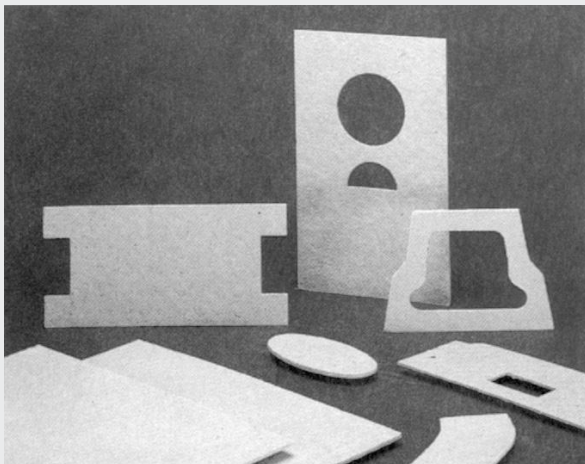


Superwool® Plus Carton



Datasheet Code EU: 11-1-14 E

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Description

Superwool® Plus™ Carton is a thin and rigid board made from Superwool® Plus™ fibre, organic and inorganic binders

Type

Rigid boards made from Superwool® fibre.

Classification Temperature

1200°C

Maximum Continuous Use Temperature

1000°C

This temperature is quoted as the Maximum Continuous Use temperature. For applications above 1000°C, Morgan Thermal Ceramics recommends Superwool® 607HT® fibre which has a classification temperature of 1300°C.

For further information, contact your local Morgan Thermal Ceramics office.

Features

- Easy to cut by stamping
- Very low thermal conductivity
- Low heat storage

Applications

- Sealing on crucibles in alloy castings
- Die cut gaskets
- Die cut pieces for domestic appliances
- Thermal barriers

SUPERWOOL® is a patented technology for high temperature insulation wools which have been developed to have a low bio persistence (information upon request). This product may be covered by one or more of the following patents, or their foreign equivalents:- SUPERWOOL® PLUS™ products are covered by patent numbers:- US5714421, US5994247, US6180546, US7259118, and EP0621858. SUPERWOOL® 607HT™ products are covered by patent numbers:- US5955389, US6180546, US7259118, US7470641, US7651965, US7875566, EP0710628, EP1544177, and EP1725503. A list of foreign patent numbers is available upon request to The Morgan Crucible Company plc.

Superwool[®] Plus Carton



Main properties

Classification Temperature °C 1200

Properties measured at ambient conditions (23°C/50% RH)

- Colour white/tan
- Density kg/m³ 290
- Modulus of rupture MPa 1.47

High temperature performance

- Loss on ignition after 24 hours heating at 800°C % 7
- Permanent linear shrinkage after 24 hours isothermal heating at 1000°C % 2
- Thermal conductivity at mean temperature of:

Thermal conductivity (ASTM C-201): at mean temperature of:		
400°C	W/m.K	0.07
600°C	W/m.K	0.10
800°C	W/m.K	0.15

Availability & packaging

Superwool[®] Plus[™] Carton is packed in cartons placed on pallets which are shrink-wrapped with recyclable plastic.

Standard Dimensions in mm

- 1000 x 500 x 3
- 1000 x 500 x 4
- 1000 x 500 x 5
- 1000 x 500 x 6.4

In addition to the standard range, other dimensions and thicknesses can be supplied on request.

The values given herein are typical values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

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