

**DESCRIPTION**

607 HT WB is made from a mixture of Superwool 607 HT fibres, refractory fillers, inorganic binders and a small amount of organic binders.

The new 607 HT WB board was especially developed for the higher operating temperature ranges of the Domestic Wall Hung Boiler Market with its requirements of:

- Excellent crack-resistant behaviour under thermal shock conditions,
- Low organic content,
- Good strength, easy handling with low dust exposure after conversion,
- Ability to perform well at operating temperatures of 850°C-950°C.

607 HT WB is supplied in panels of uniform thickness, possessing good flexural and compressive strength, both before and after heating.

MAXIMUM USE TEMPERATURE

In Thermal Ceramics' internal test programme the board remained crack-free in all Wall Boilers, conventional and condensing boilers.

BOARD TYPE

Board made from exonerated mineral fibres (Directive 97/69/EC)

CLASSIFICATION TEMPERATURE

1150°C

SUPERWOOL™ is a patented technology that manufactures a high temperature insulation wool which has been developed to have a low biopersistence (information upon request). This product may be covered by one or more of the following patents or patent applications, and foreign equivalents:-

US 5332699, US 5714421, US 5811360, US 5821183, US 5928975, US 5955389, US 5994247, US 6180546, EP 0621858, EP 0679145, US 6861381, US 7153796, EP 0710628, EP 1474366, GB 2383793, WO2006/048610.

A list of foreign patent numbers is available upon request to The Morgan Crucible Company plc.

THERMAL CERAMICS, SUPERWOOL and 607 are trademarks of The Morgan Crucible Company plc.

BENEFITS**Handleability**

The sheets have good mechanical strength, are easy to install and subject to minimal risk or damage during assembly operations.

- Excellent thermal shock resistance
- Low thermal conductivity
- Low heat storage, lightweight
- Precise thicknesses available
- Good compressive and flexural strength before and after firing
- Easy to convert, homogenous structure allows any mechanical conversion

MAIN PROPERTIES

Classification temperature °C 1150

Properties Measured at Ambient Conditions (23°C/50% RH)

• Colour		white/tan
• Density	kg/m ³	360
• Modulus of rupture	MPa	1.5
• Compressive stress at 10% deformation	MPa	0.3

High Temperature Performance

• Organic content	%	3.5
• Permanent linear shrinkage after 24 hours isothermal heating (ASTM C-356) at:		
800°C	%	0.3
1150°C	%	<2.0
• Thermal conductivity (ASTM C-201) at mean temperature of:		

300°C	W/m.K	0.07
400°C	W/m.K	0.09
600°C	W/m.K	0.12
800°C	W/m.K	0.15

All quoted figures are typical values for the product, and should not be taken as representing a Product Specification.

Availability and Packaging

607 HT WB is available in panels 1200 x 1000mm. Variations upon request subject to quantity. Standard thickness: 7.5mm, 10mm, 13mm. Variations upon request subject to quantity.

607 HT WB is packed in cartons or on pallets that are shrink-wrapped with recyclable plastic.

Special Service**Converted boards**

Thermal Ceramics is well equipped to deliver pre-cut and sized shapes on a “just in time” basis.

Your local contact:

Distributed by:

The values given herein are typical average 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.

Thermal Ceramics Marketing Offices**Thermal Ceramics Americas**

2102 Old Savannah Road
Augusta, Georgia 30903
Tel: +1 706 796 4200
Fax: +1 706 796 4398
E-mail: tceramics@thermalceramics.com

Thermal Ceramics Asia Pacific

28 Jalan Kilang Barat
Kewalram House, Singapore 159362
Tel: +65 6273 1351
Fax: +65 6273 0165
E-mail: thermalceramics@tcasia.com.sg

Thermal Ceramics Europe

Tebay Road, Bromborough
Wirral CH62 3PH UK
Tel: +44 (0) 151 334 4030
Fax: +44 (0) 151 334 1684
E-mail: marketing@thermalceramics.co.uk

Website: www.thermalceramics.com