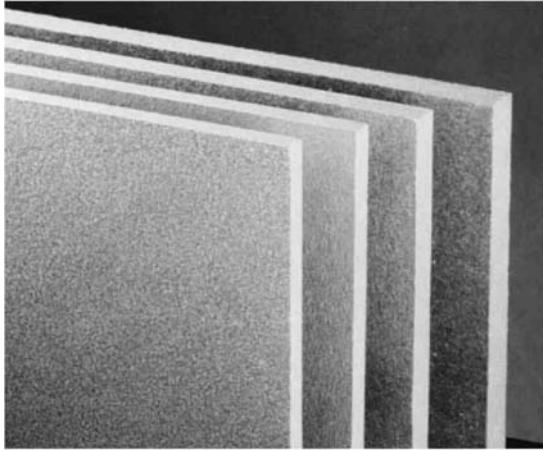


MURUGAPPA MORGAN THERMAL CERAMICS LIMITED

PRODUCT INFORMATION

Blok 607™



FEATURES

- Water repellent
- Resistant to thermal shock
- Low thermal conductivity
- Precise geometry and close tolerances
- Homogeneous structure, easy for machining
- Non-brittle
- High fibre content
- Lightweight, low heat storage
- Easy to install

DESCRIPTION

Blok 607™ sheets are made from Superwool 607* fibres, mineral fibres and a small amount of organic binder.

Thanks to the high fibre content, Blok 607 sheets are strong, lightweight and thermal shock resistant.

All grades of Blok 607 receive a water repellence treatment to prevent absorption of water or concrete binders.

The panels must be installed so that the side with the product name is in contact with the concrete. When tested on this side, Blok 607 is classified as non hydrophilic (NF P 75-305).

Thicknesses over 50mm are obtained by bonding together two thinner sheets.

TYPE

Block for back up insulation.

MAXIMUM CONTINUOUS USE TEMPERATURE

Blok 607™ - 800: 800°C
Blok 607™ - 1000: 1000°C
Blok 607™ - 1100: 1100°C

The maximum continuous use temperature is indicative and depends on the application. In case of doubt, refer to your local Thermal Ceramics distributor for advice.

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.



MURUGAPPA MORGAN THERMAL CERAMICS LIMITED
PRODUCT INFORMATION
Blok 607™
MAIN PROPERTIES
Classification temperature

	°C	800	1000	1100
Properties Measured at Ambient Conditions (23°C/50% RH)*				
• Colour		white/tan	white/tan	white/tan
• Density	kg/m ³	320	320	320
• Modulus of rupture	MPa	0.7	0.8	0.8
• Compressive stress (10% reduction in thickness)	MPa	0.30	0.40	0.30
• Water absorption (NF P 75-302) after 96 hours (on side with product name)	kg/m ³	<40	<40	<40

* typical values for thickness 50mm

High Temperature Performance

- | | % | 6.0 | 6.0 | 5.0 |
|--|-------|------|------|------|
| • Loss on ignition | | | | |
| • Permanent linear shrinkage (ENV 1094-7) after
24 hours isothermal heating at classification
temperature: | % | 1.4 | 1.4 | 1.5 |
| • Thermal conductivity (ASTM C-417) at
mean temperature of: | | | | |
| 200°C | W/m.K | 0.07 | 0.08 | 0.06 |
| 300°C | W/m.K | 0.07 | 0.09 | 0.07 |
| 400°C | W/m.K | 0.08 | 0.10 | 0.08 |
| 500°C | W/m.K | 0.09 | 0.11 | 0.10 |
| 600°C | W/m.K | 0.11 | 0.13 | 0.11 |

Availability and Packaging

Standard size: 1000mm x 600mm.

Thicknesses: 25mm, 30mm, 40mm, 50mm, 60mm, 70mm, 80mm, 90mm and 100mm.

Thicknesses over 50mm are obtained by bonding together two thinner sheets.

Blok 607 is packed on pallets (1225mm x 1020mm), which are protected with cardboard and shrink wrapped with recyclable plastic.

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.