

FACT SHEET

THIRD PARTY TESTING



Superwool® Plus™
Insulating fibre

The most energy
efficient insulation

Superwool® Plus™ fibre is independently proven to be the most energy efficient fibrous insulation material; it provides superior insulation and reduces energy losses without occupying more space or using increased mass.

- Provides the lowest thermal conductivity compared to other tested AES and RCF blankets
- Reduces energy loss
- Provides significant energy cost savings
- Minimises the weight and thickness of the insulation layer
- Provides more...for less...

Superwool® Plus™ is independently tested to have the lowest thermal conductivity

At Morgan Thermal Ceramics we recognise that third party testing of our high performance insulation provides invaluable data in support of our in-house R&D results.

Our Superwool® Plus™ insulation blankets have been independently tested by a French laboratory in accordance with the ASTM C201 – 93(2009) standard test method for thermal conductivity of refractories.

Insulation tested includes:

- Superwool® Plus™ blankets of density :
128 Kg/m³ (8 lbs/ft³), 96 Kg/m³ (6 lbs/ft³) and 80 Kg/m³ (5 lbs/ft³)
- EU and non-EU Competitor AES blankets of density :
128 Kg/m³ (8 lbs/ft³) and 96 Kg/m³ (6 lbs/ft³).

Superwool® Plus™ is proven to present...

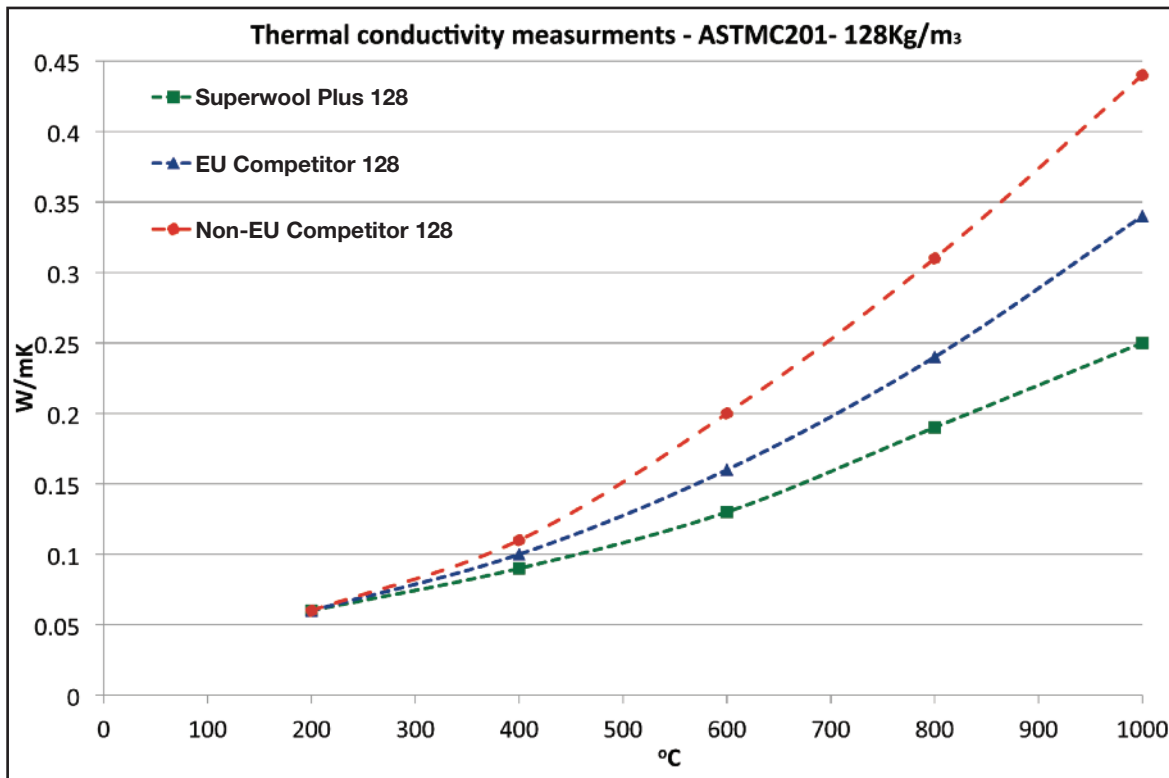
...up to 40% lower thermal conductivity than competitive insulation at 1000°C

The results:

The results clearly demonstrate that Superwool® Plus™ fibre:

- Has superior thermal insulation properties
- Is the most energy efficient insulation
- Enables you to save energy and associated costs
- Enables you to use a lower density or thinner blanket and achieve the same or even better insulation performance

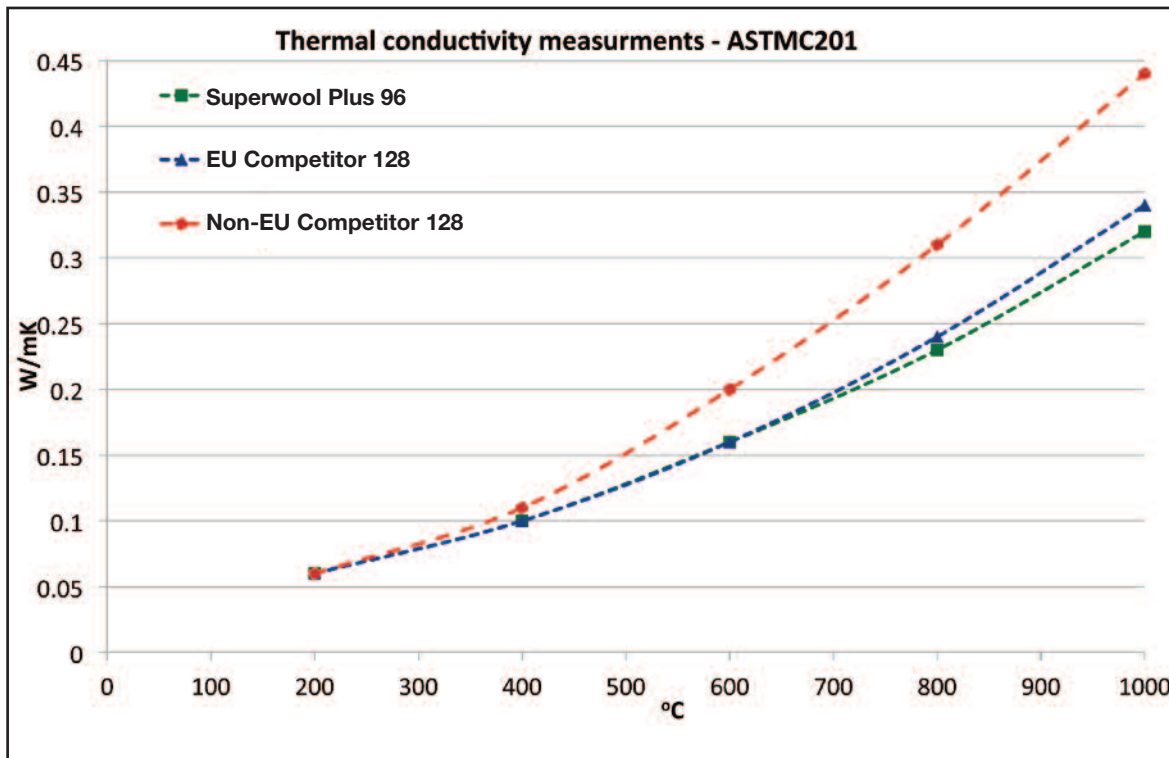
Test 1 – Superwool® Plus™ blanket 128 Kg/m³



Superwool® Plus™ insulation blanket 128 Kg/m³:

- Has the lowest thermal conductivity compared to all other blankets of the same density
- Is the most energy efficient insulation
- Gives a better thermal insulation performance
- Enables you to make energy savings
- Enables you to make significant cost savings

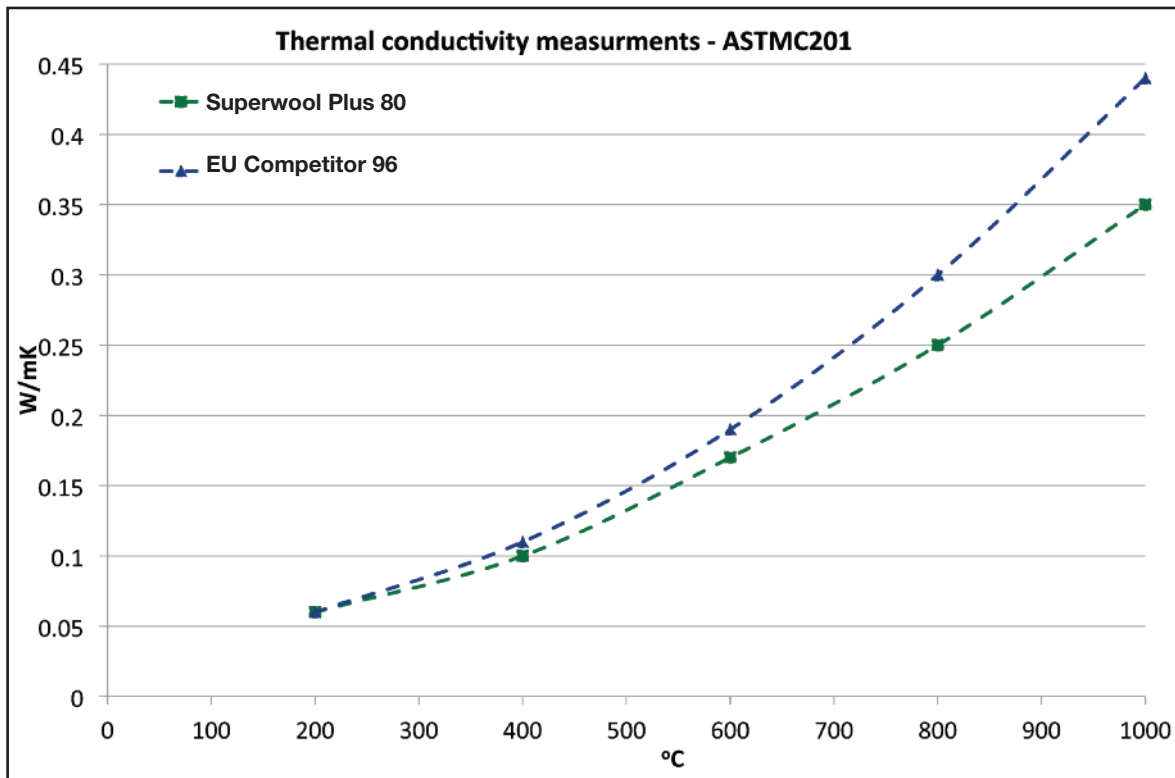
Test 2 – Superwool® Plus™ blanket 96 Kg/m³



Superwool® Plus™ insulation blanket 96 Kg/m³:

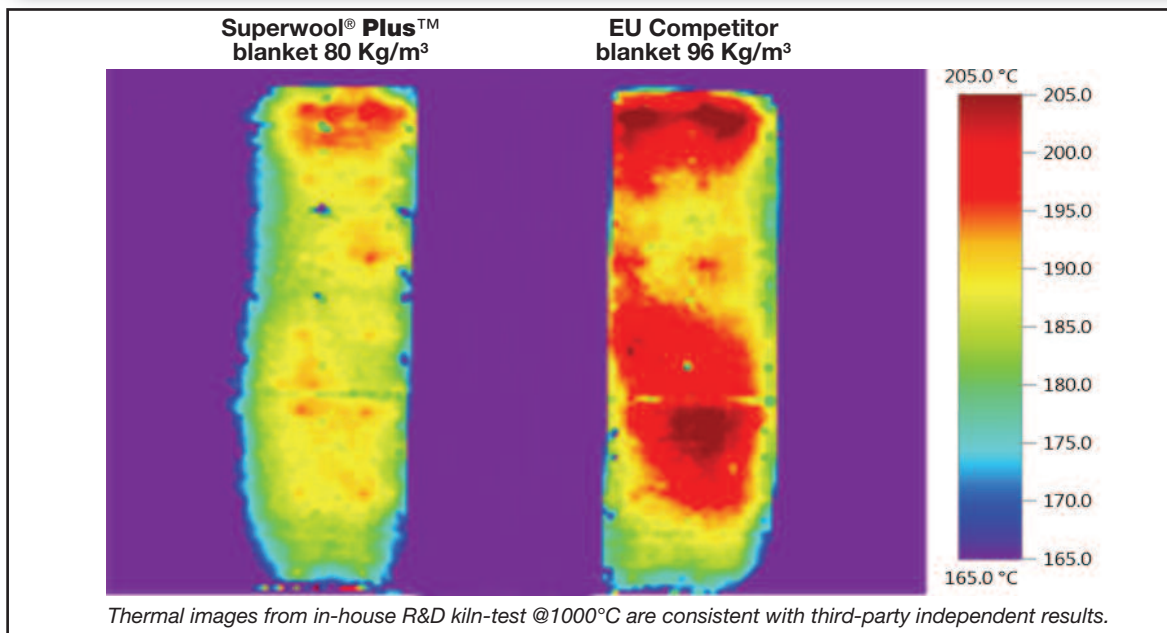
- Enables you to make weight savings
- Allows you to use a lower density or thinner blanket and achieve the same high insulation performance
- Has a lower thermal conductivity than competitive AES 128Kg/m³ blanket
- Enables you to make significant cost savings

Test 3 – Superwool® Plus™ blanket 80 Kg/m³



Superwool® Plus™ insulation blanket 80 Kg/m³:

- Allows you to use a lower density blanket and achieve a better insulation performance
- Has a lower thermal conductivity than competitive AES 96Kg/m³ blankets
- Enables you to make significant cost savings
- Enables you to make weight savings



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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). 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.

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