

## Blanket products - Superwool® AES Grades

Product Name	Superwool® Plus	Superwool® HT
Color	white	
Continuous temperature use limit, °F (°C)	1832 (1000)	2102 (1150)
Classification temperature rating, °F (°C)	2192 (1200)	2372 (1300)
<b>Chemical Analysis, % Weight basis after firing</b>		
Silica, SiO <sub>2</sub>	62 - 68	70 - 80
Calcium Oxide + Magnesium Oxide, CaO + MgO	29 - 39	18 - 25
Other	< 1	< 3
Leachable chlorides	-	
<b>Thermal Conductivity, BTU • in./hr • ft<sup>2</sup> • °F (W/m • K), ASTM C 201</b>		
measured density, pcf (kg/m <sup>3</sup> )	8 (128)	8 (128)
mean temperature @ 500°F (260°C)	0.39 (0.06)	0.41 (0.06)
@ 1000°F (538°C)	0.73 (0.11)	0.83 (0.12)
@ 1800°F (982°C)	1.73 (0.25)	2.11 (0.30)
@ 2100°F (1149°C)	Beyond continuous use limit	2.75 (0.40)

## Availability and Packaging

Thickness, in (mm)	Density, pcf (kg/m <sup>3</sup> )				Length, in (mm)	Width, in (mm)	ft <sup>2</sup> (m <sup>2</sup> ) / carton for 24 in (610 mm) width rolls
	4 (64)	6 (96)	8 (128)	10 (160)			
1/4 (6)			x		240 (6095)	24, 48 (610, 1220)	160 (14.9)
1/2 (13)		x	x	x	600 (15240)		100 (9.3)
1 (25)	x	x	x	x	300 (7620)		50 (4.6)
1 1/2 (38)	x	x	x		180 (4575)		30 (2.8)
2 (50)	x	x	x		150 (3810)		25 (2.3)

Superwool blankets from Augusta are packaged in cartons and stretch-wrapped onto pallets. Some size and density combination may require a minimum order. Please check with your Thermal Ceramics office for current lead times and availability.

**Safety Data Sheet (SDS):** are available for all our products. Data sheets, in other languages, can also be found by visiting our website. Please visit our website [www.morganthermalceramics.com](http://www.morganthermalceramics.com) and click on the Safety Data Sheets Quick Link on our home page.

While the values and application information in these datasheets are typical, they are given for guidance only. The values and the information given are subject to normal manufacturing variation and may be subject to change without notice. Morgan Advanced Materials - Thermal Ceramics makes no guarantees and gives no warranties about the suitability of a product and you should seek advice to confirm the product's suitability for use with Morgan Advanced Materials - Thermal Ceramics.

## Blanket products - RCF Grades

Product Name	Kaowool®	Cerablanket®	Cerachem®	Cerachrome®
Color	off white	white	white	blue/green
Continuous temperature use limit, °F (°C)	2000 (1093)	2150 (1177)	2400 (1315)	2500 (1371)
Classification temperature rating, °F (°C)	2300 (1260)	2400 (1315)	2600 (1426)	
<b>Chemical Analysis, %, Weight basis after firing</b>				
Alumina, Al <sub>2</sub> O <sub>3</sub>	45	46	35	43
Silica, SiO <sub>2</sub>	50 - 55	54	50	54
Zirconia, ZrO <sub>2</sub>	-	-	15	-
Ferric oxide, Fe <sub>2</sub> O <sub>3</sub>	1.0			
Titanium oxide, TiO <sub>2</sub>	2.2			
Alkalies as NaO <sub>2</sub>	0.2			
		trace		3
Leachable chlorides	1 - 2	trace		
<b>Thermal Conductivity, BTU•in./hr•ft<sup>2</sup>•°F (W/m•K), ASTM C 201</b>				
measured density, pcf (kg/m <sup>3</sup> )	8 (128)	8 (128)		
mean temp. @ 500°F (260°C)	0.44 (0.06)	0.44 (0.06)		
@ 1000°F (538°C)	0.87 (0.12)	0.93 (0.13)		
@ 1500°F (816°C)	1.45 (0.21)	1.60 (0.23)		
@ 2000°F (1093°C)	2.09 (0.30)	2.34 (0.34)		

## Availability and Packaging

Thickness, in (mm)	Density, pcf (kg/m <sup>3</sup> )				Length, in (mm)	Width, in (mm)	ft <sup>2</sup> (m <sup>2</sup> ) / carton for 24 in (610 mm) width rolls
	4 (64)	6 (96)	8 (128)	10 (160)			
1/4 (6)		□ ▲	□ ▲		240 (6095)	24, 48 (610, 220)	160 (14.9)
1/2 (13)	□ ▲	□ ▲	□ ▲	▲	600 (15240)		100 (9.3)
1 (25)	□ ▲	▲ □ ◇	▲ □ ◇	▲	300 (7620)		50 (4.6)
1 1/2 (38)	▲	▲ □	▲ □		180 (4575)		30 (2.8)
2 (50)	▲	▲ □	▲ □		150 (3810)		25 (2.3)

Key: □ = Kaowool, ▲ = Cerablanket, □ = Cerachem, ◇ = Cerachrome

Kaowool and Cerafiber blankets from Augusta are packaged in cartons and stretch-wrapped onto pallets. Some size and density combinations may require a minimum order. Please check with your Thermal Ceramics office for current lead times and availability.

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## Blanket products - PCW Grade

Product Name	Denka® Alcen™ Blanket NBK80	Denka® Alcen™ Blanket NBK95
Color	white	
Classification temperature rating, °F (°C)	2912 (1600)	
Chemical Analysis, %, Weight basis after firing		
Alumina, Al <sub>2</sub> O <sub>3</sub>	80	95
Silica, SiO <sub>2</sub>	20	5
Leachable chlorides	trace	
Thermal Conductivity, BTU•in./hr•ft <sup>2</sup> •°F (W/m•K), ASTM C 201		
measured density, pcf (kg/m <sup>3</sup> )	6 (96)	-
mean temp. @ 500°F (260°C)	0.38 (0.05)	
@ 1000°F (538°C)	0.74 (0.11)	
@ 1500°F (816°C)	1.30 (0.19)	
@ 2000°F (1093°C)	2.07 (0.30)	
@ 2500°F (1371°C)	3.04 (0.44)	
Linear Shrinkage, % after 24 hours		
@ 2500°F (1371°C)	<1	-
@ 2912°F (1600°C)	1.5	

## Availability and Packaging

Thickness, in (mm)	Density, pcf (kg/m <sup>3</sup> )		Length, in (mm)	Width, in (mm)	ft <sup>2</sup> (m <sup>2</sup> )/carton
	6 (96)	8 (128)			
1/2 (13)	□	□	283 (7182)	24 (610)	47 (4.3)
1 (25)	□▲	□			
Key: □ = NBK80, ▲ = NBK95					

Denka Alcen Blankets are packaged in cartons and stretch-wrapped onto pallets. Please check with your Thermal Ceramics office for current lead times and availability.

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