Promat

Technical Data Sheet

BLANKET

DALFRATHERM®-1260 HYBRID

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DALFRATHERM®-1260 HYBRID blankets are part of an extensive range of high temperature insulation blankets targeted on achieving the highest possible thermal insulation value and handling strength.

DALFRATHERM®-1260 HYBRID is the new standard for a classical RCF blanket. It is not the standard Kaolin based blanket, neither it is the standard Alumina/Silica fibre; it is the best of both worlds.

Typical applications

- Thermal insulation for furnace lining
- Thermal insulation for lining stacks and chimneys
- Blanket for module making
- Furnace lining in Ceramics and Glass
- Thermal insulation for Petrochemical Industry
- Thermal insulation for Steel Treatment
- General technical insulation of furnaces and technical installations

Benefits

- Proven technical solution
- Low shot technology
- Excellent insulation performance
- High handling strength
- Unaffected by most chemicals
- Excellent thermal stability
- Resistant to thermal shock

DALFRATHERM®-1260 HYBRID blankets share the Ultra Low Shot technology with the DALFRATHERM®-1200 ULS blankets, providing high handling strength, exceptional thermal insulating performance and reversible flexibility after compression.

DALFRATHERM®-1260 HYBRID blankets are available in a wide range of dimensions and densities. All products have been developed to meet requirements specific for the final application.

Sustainability

Our world has changed in the past few decades with reduced CO2 emissions and energy consumption as the key drivers. Therefore focus must be on the most effective methods of saving energy.

A high performance insulation lining for the technical installation not only saves energy but also provides energy bill savings, avoids heat loss and demands less power.

Type

Blanket from high temperature Refractory Ceramic

Fiber insulation wool.

Temperature range

DALFRATHERM®-1260 HYBRID blankets have a classification temperature of 1260°C and are recommended for continuous use up to 1100°C in clean oxidizing atmospheres.

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DALFRATHERM®-1260 HYBRID BLANKET

1260°C

Grade			RCF	
Colour			white	
Classification temperature		°C *(°F)*	1260°C (2300°F)	
Continuous use temperature		°C *(°F)*	1100°C (2012°F)	
Density	EN 1094-4	kg/m³	**96**	**128**
Tensile strength	GB/T 17911	kPa	80	100
Linear shrinkage	GB/T 17911	%		
12h@1100°C *(2012°F)*				
12h@1200°C *(2192°F)*			< 3	
12h@1400°C *(2552°F)*				
Thermal conductivity	ASTM C201	W/m.K		
200°C *(392°F)*			0,06	0,05
400°C *(752°F)*			0,10	0,09
600°C *(1112°F)*			0,15	0,13
800°C *(1472°F)*			0,21	0,18
1000° *(1832°F)*			0,29	0,25
1200° *(2192°F)*			-	-
Chemical composition	GB/T 21114	%		
SiO_2			53 - 55	
Al_2O_3			44 - 46	
Fe_2O_3			< 0,6	
Others			< 0,4	

Availability (X = standard; O = on special demand)

Thickness mm (inch)	64	96	128	160	*L mm (inch)*	*W mm (inch)*
6 *(0,24)*		O	X		5500 *(216,54)*	610 *(24,02)*
13 *(0,51)*	O	X	X		14640 *(576,38)*	610 *(24,02)*
19 *(0,75)*	O	O	O		9760 *(384,25)*	610 *(24,02)*
25 *(0,98)*	O	X	X		7320 *(288,19)*	610 *(24,02)*
38 *(1,5)*	O	X	X		4880 *(192,13)*	610 *(24,02)*
50 *(1,97)*	O	X	X		3660 *(144,09)*	610 *(24,02)*

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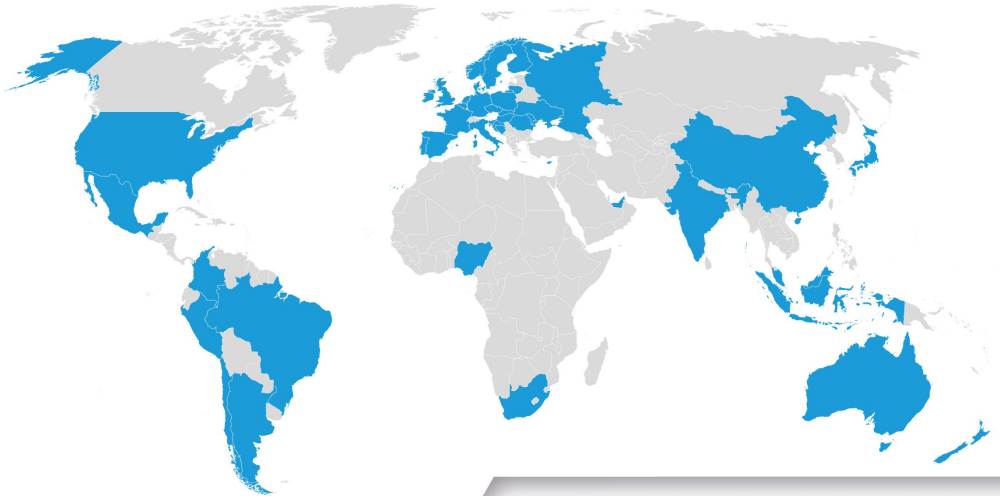

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