

Exceptional Low Dust Technology

Oryza-BGT



The Oryza SIL 650 Technology family of lightweight panels is specially manufactured from Aerogel Composite and provides effective solutions to a variety of thermal management problems. Oryza BGT products offer superior insulating performance. The non-combustion composite panel has exceptional fire resistance. Oryza Technology products are completely inorganic and so retain their strength, superior durability, and thermal properties in many working environments without the generation of low dust technology. Available in a wide range of density and thickness combinations, Oryza product range is one of the most versatile available to the building industry.

ORYZA-BGT

Benefits

- Low Thermal Conductivity
- Maximum Temp of 650°C
- Low Density
- Low Dust Technology

Applications

- Pitched Roof
- Balcony/ Terrace/ Flat Roof
- Façade/ Doors/ Windows/ Interior Insulation
- Ceilings of Basements or underground garages

Technical Specifications

	Unit	BGT 10	BGT 20
Color	-	White	White
Density	kg/m ³	180	180
Thickness	mm	10	20
Dimensions	m	1.5 x 30	1.5 x 15
Max Temp	°C	650	650
EN13501-1:2018 Reaction to Fire Classification	-	A1	A1
Hydrophobicity	-	98%	98%
Compressive Strength, 10%	kPa	> 20.7	> 20.7
Thermal Conductivity, Room Temp	W/(m.K)	0.020	0.020
BS6853 -Vertical surface & horizontal prone	-	Passed	Passed
ASTM E84 Surface Burning Characteristics#	-	FSI = 0 SDI = 0	FSI = 0 SDI = 0

FSI: Flame Spread Index; SDI: Smoke Developed Index

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