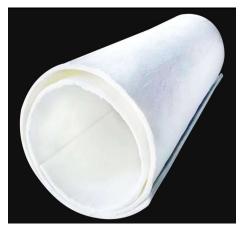
Exceptional Low Dust Technology Oryza-BGT



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.

Benefits

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

Applications

- Pitched Roof
- Balcony/ Terrance/ 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/m³ | 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 | - | A1 | A1 |
| Classification | | | |
| 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 | - | Passed | Passed |
| prone | | | |
| ASTM E84 Surface Burning | - | FSI = 0 | FSI = 0 |
| Characteristics# | | SDI = 0 | SDI = 0 |

FSI: Flame Spread Index; SDI: Smoke Developed Index

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