

SUPERCUBE II[®]

BLOWN GLASS WOOL INSULATION

- **Non-Corrosive**
- **Non-Flammable**
- **Non-Combustible**
- **Vermin Resistant**
- **Pure Glass Fibres**



COVERAGE INFORMATION

To achieve the stated R-values, the insulation must be installed at these minimum thicknesses and maximum coverages. Failure to install the required bags to at least the minimum depth indicated on the product packaging will result in a lower insulation R-value. It is not for exposed applications. Insulation should not be installed over eave vents or near light fixtures or other heat generating devices.

R-VALUE INFORMATION

Insulation is specified by its thermal resistance or R-value. "R" means resistance to heat flow. The higher the R-value, the greater the insulating power.

HEAT LOSS REDUCTION

Supercube II is designed to reduce heat loss in homes and commercial premises. As much as 25% of all heat loss from the average home escapes through the roof. Insulating the roof space or topping up to the required standards will reduce the amount of heat needed to maintain comfort levels.

'U' VALUE

The 'U' value of a building element defines its ability to transmit heat. The lower the 'U' value the better the thermal performance of that element.

RENEWABLE RESOURCE

Fiberglass insulation is made from a resource that will always be in plentiful supply because of nature's systematic and continuous production of sand. Use of this renewable resource along with use of recycled post-consumer glass produces a product which saves several times the energy consumed to produce it within its first year of installation. Fiberglass insulation is one of the largest secondary markets for recycled glass containers. These products go on to save that same amount of energy for the life of the building. Guardian Fiberglass material is manufactured from the earth's natural products. It is non-toxic and will not deteriorate with age.

COMPLIANCES:

- CONFORMS TO: BRITISH STANDARD – BS 5803: PART 2 : 1985
- BBA HEAT FLOW METER METHOD OF ISO 8301 : 1991, BS EN 12667 : 2001 and Pr EN 14064-1 (28 March 2003)
- BRE: BS EN ISO 1716: 2002; BS EN ISO 1182: 2002; BS EN 13501-1: 2007; Fire & Non-Combustibility: A1
- GOST - R - POCC US. AM50 .H09555
- CSI Compliance: AO 212/C5/2008/0455/P

| λ Thermal Conductivity (W/m·K) | R-Value (m ² K/W) | U-Value (W/m ² ·K) | Thickness Required in mm | | Average Bag Usage rate - bags / 100m ² | Maximum Coverage Rate - m ² /bag | Weight Kg/m ² |
|--------------------------------|------------------------------|-------------------------------|--------------------------|--------------------------|---|---|--------------------------|
| | | | As Installed | After Maximum Settlement | | | |
| 0.0440 | 2.0 | 0.50 | 92 | 88 | 7.7 | 12.9 | 1.23 |
| 0.0440 | 2.5 | 0.40 | 115 | 110 | 9.7 | 10.3 | 1.54 |
| 0.0440 | 3.0 | 0.33 | 138 | 132 | 11.6 | 8.6 | 1.85 |
| 0.0440 | 3.5 | 0.29 | 161 | 154 | 13.6 | 7.4 | 2.16 |
| 0.0440 | 4.0 | 0.25 | 184 | 176 | 15.5 | 6.5 | 2.46 |
| 0.0440 | 4.5 | 0.22 | 207 | 198 | 17.4 | 5.7 | 2.77 |
| 0.0440 | 5.0 | 0.20 | 230 | 220 | 19.4 | 5.2 | 3.08 |
| 0.0440 | 5.5 | 0.18 | 253 | 242 | 21.3 | 4.7 | 3.39 |
| 0.0440 | 6.0 | 0.17 | 276 | 264 | 23.2 | 4.3 | 3.70 |
| 0.0440 | 6.5 | 0.15 | 299 | 286 | 25.2 | 4.0 | 4.00 |
| 0.0440 | 7.0 | 0.14 | 322 | 308 | 27.1 | 3.7 | 4.31 |
| 0.0440 | 7.5 | 0.13 | 345 | 330 | 29.0 | 3.4 | 4.62 |
| 0.0440 | 8.0 | 0.13 | 368 | 352 | 31.0 | 3.2 | 4.93 |
| 0.0440 | 8.5 | 0.12 | 391 | 374 | 32.9 | 3.0 | 5.24 |
| 0.0440 | 9.0 | 0.11 | 414 | 396 | 34.8 | 2.9 | 5.54 |
| 0.0440 | 9.5 | 0.11 | 437 | 418 | 36.8 | 2.7 | 5.85 |
| 0.0440 | 10.0 | 0.10 | 460 | 440 | 38.7 | 2.6 | 6.16 |
| 0.0440 | 10.5 | 0.10 | 483 | 462 | 40.7 | 2.5 | 6.47 |
| 0.0440 | 11.0 | 0.09 | 506 | 484 | 42.6 | 2.3 | 6.78 |
| 0.0440 | 11.5 | 0.09 | 529 | 506 | 44.5 | 2.2 | 7.08 |
| 0.0440 | 12.0 | 0.08 | 552 | 528 | 46.5 | 2.2 | 7.39 |
| 0.0440 | 12.5 | 0.08 | 575 | 550 | 48.4 | 2.1 | 7.70 |
| 0.0440 | 13.0 | 0.08 | 598 | 572 | 50.3 | 2.0 | 8.01 |
| 0.0440 | 13.5 | 0.07 | 621 | 594 | 52.3 | 1.9 | 8.32 |
| 0.0440 | 14.0 | 0.07 | 644 | 616 | 54.2 | 1.8 | 8.62 |

Safety Precautions:

The installation of this product can generate glass fibre dust, particularly in confined spaces, which can be a health hazard. It is recommended that a close fitting face / dust mask (e.g., BS/EN 149) be worn by all persons involved in this process. Gloves, safety glasses and loose-fitting clothing should be worn when working with this product. If skin irritation occurs, rinse area thoroughly with warm water and then wash affected area with a mild soap. Do not rub eyes.

In the event this material is soaked or becomes wet, it must be dried completely before application or installation.

Bag weight: 15.8 kg; 15.0 kg minimum

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