



**GUARDIAN**  
BUILDING PRODUCTS

# LOFT GUARD™ PREMIUM

**BLOWN-IN FIBREGLASS INSULATION**

- **Non-Corrosive**
- **Non-Flammable**
- **Non-Combustible**
- **Vermin Resistant**
- **Pure Glass Fibres**
- **No Binding Agents**
- **No Formaldehyde**



**PREMIUM QUALITY** - Consistent coverage makes LOFT GUARD one of the best and easiest installed blown loft wool insulations on the market today!

**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** - LOFT GUARD Premium 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.

## MEETS GREENGUARD INDOOR AIR QUALITY STANDARDS

Indoor air quality is a growing concern with today's tighter construction practices for homes and buildings. The importance of using healthy, low emitting products and materials is a major component in maintaining safer, healthy indoor environments. The GREENGUARD Certification Program™ was founded to establish a true third party certification based on proven emissions criteria used by the State of Washington, the U.S. Environmental Protection Agency, OSHA and the World Health Organization to implement an indoor air quality (IAQ) management plan that addresses all factors potentially impacting IAQ. These include emissions from construction materials, indoor furnishings, and processes such as cleaning and operation of office equipment. LOFT GUARD™ loose-fill insulation, as well as other Guardian building insulation products, are tested and certified to meet the tough GREENGUARD™ IAQ standards. This gives you the confidence that by using LOFT GUARD™ you are assured of excellent IAQ performance. For additional information visit [www.greenguard.org](http://www.greenguard.org).



## RENEWABLE RESOURCE

Fibreglass 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. Fibreglass 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 Fibreglass 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. AN50 .H09555

Thermal Conductivity (W/m·K)	R-Value (m <sup>2</sup> K/W)	U-Value (W/m <sup>2</sup> ·K)	Thickness Required in mm <sup>3</sup>		Average Bag Usage rate - bags / 100m <sup>2</sup>	Maximum Coverage Rate - m <sup>2</sup> /bag
			As Installed	After Maximum Settlement		
0.0420	2.0	0.50	88	84	7.3	13.6
0.0420	2.5	0.40	110	105	9.2	10.9
0.0420	3.0	0.33	132	126	11.0	9.1
0.0420	3.5	0.29	154	147	12.8	7.8
0.0420	4.0	0.25	176	168	14.7	6.8
0.0420	4.5	0.22	198	189	16.5	6.1
0.0420	5.0	0.20	220	210	18.3	5.5
0.0420	5.5	0.18	242	231	20.2	5.0
0.0420	6.0	0.17	264	252	22.0	4.5
0.0420	6.5	0.15	286	273	23.8	4.2
0.0420	7.0	0.14	308	294	25.7	3.9
0.0420	7.5	0.13	329	315	27.5	3.6
0.0420	8.0	0.13	351	336	29.3	3.4
0.0420	8.5	0.12	373	357	31.2	3.2
0.0420	9.0	0.11	395	378	33.0	3.0
0.0420	9.5	0.11	417	399	34.9	2.9
0.0420	10.0	0.10	439	420	36.7	2.7
0.0420	10.5	0.10	461	441	38.5	2.6
0.0420	11.0	0.09	483	462	40.4	2.5
0.0420	11.5	0.09	505	483	42.2	2.4
0.0420	12.0	0.08	527	504	44.0	2.3
0.0420	12.5	0.08	549	525	45.9	2.2
0.0420	13.0	0.08	571	546	47.7	2.1
0.0420	13.5	0.07	593	567	49.5	2.0
0.0420	14.0	0.07	615	588	51.4	1.9

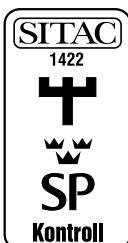
Pneumatic Application: This product is designed to be installed by professional insulation contractors using appropriate machines. The machine settings supplied by the manufacturer for this equipment should be used to get optimum results. The equipment must be designed for fibreglass and must have an effective processing section, a controlled feed section, and sufficient air volume to achieve the desired result.

### 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: 16.6 kg; 16.1 kg minimum**



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