

GLASSWOOL

Comfort
Premium Quality - Comfortable - Non-Irritation



Formaldehyde Free glasswool

Wall and ceiling segments are made from highly resilient, inorganic glass fibres bonded, a revolutionary binder based on rapidly renewable materials instead of petro-based chemicals. Reduces binder embodied energy and contains no phenol, formaldehyde, acrylics or artificial colours found in traditional glasswool insulation.

Application

Wall and ceiling segments provide a cost-effective thermal and acoustical barrier for energy-efficient construction. The insulation's consistent quality, low dust, and clean-cutting resilient wool makes installation fast. Wall and ceiling segments can be used in timber and metal frame applications in residential and commercial structures. Wall and ceiling segments in a wide range of sizes and R-values.

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.

- Excellent acoustical properties reduce sound transmission.

Durability

glasswool insulation is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Superior Handling

- Highly resilient insulation recovers quickly to full thickness for a snug fit and superior finished aesthetics.
- Consistent quality materials feel good, cut easily and install fast.
- Low dust for easier handling and increased productivity.

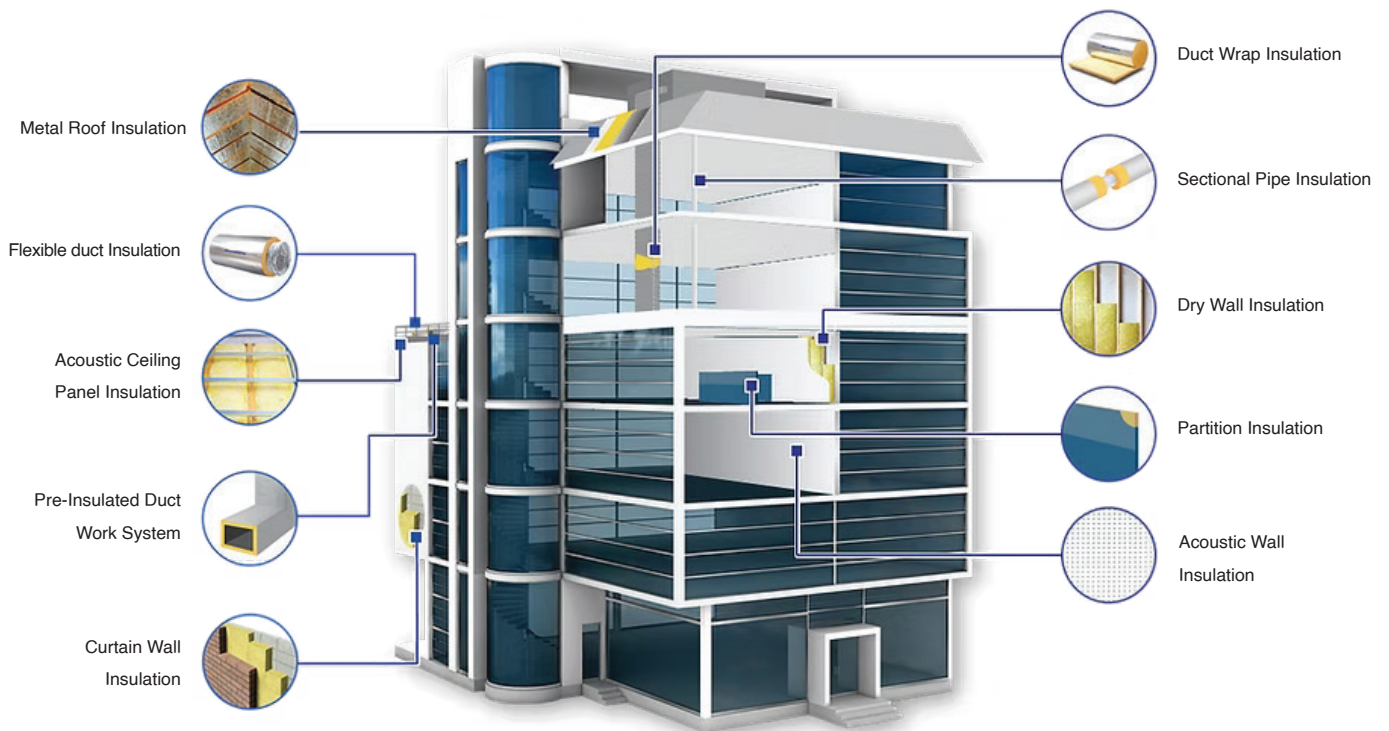
Convenient Packaging, Easier Handling

- glasswool insulation is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- glasswool insulation packages feature easy to follow installation instructions.

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Home & Building Application



Kool Foil Glasswool Insulation offers affordable solution, premium quality and safe insulation option which comes with many benefits for homeowners such as sound and heat insulation, easy installation and non-itchy.

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Key Properties And Applications



Thermal Performance

Glass wool offers 10% superior thermal insulation compared to rock wool, all while being half as heavy. This makes glass wool the most cost-effective choice for achieving excellent thermal performance in various applications.



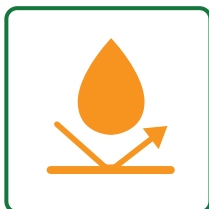
Acoustic Performance

With less than half the weight of stone wool, glass wool can achieve the same level of dB noise reduction. This efficiency makes it a highly effective solution for soundproofing needs in residential, commercial, and industrial spaces.



Non-Combustible

Manufactured using non-combustible materials, glass wool provides a reliable fire-resistant barrier. This quality enables its use in firestop compartments, enhancing safety in building structures.



Water Repellent

A specially formulated water-repellent coating on the surface of glass wool helps it withstand leaks and resist moisture intrusion to a certain degree. This property ensures durability and performance in damp environments.



Structural Support

In addition to its thermal and acoustic benefits, high-density glass wool boards can contribute to structural integrity. They can reinforce areas requiring added strength while maintaining insulation performance.

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Technical Parameters

PROPERTY	STANDARD	VALUE
Thickness	In House	50mm
Working temperature	GB/T 17393	-100C to 450 C
Corrosion resistance	GB/T 17393	No chemical reaction
Main fiber diameter	GB/T5480	5-7μ
Water vapor absorption	GB/T20313	≤1%
Moisture absorption rate	GB/T5480	≤5%
Hydrophobic rate	GB/T 10299	≥98%
Density	GB/T 13350	10-48kg/m3
Heat shrinkage temperature	GB/T 5480	≥300
Thermal conductivity	GB/T 10294	≤0.036
Fire performance	GB/T 8824-2012	Class A1

Sound absorption coefficient at different Octave Band (50mm thickness)

Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000
Acoustic absorption coefficient (a)	0.16	0.19	0.32	0.40	0.57	0.79	0.94	0.96	1.00	1.00	0.95
Frequency (Hz)	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500
Acoustic absorption coefficient (a)	0.99	0.97	0.99	1.00	0.96	1.01	0.98	0.99	1.01	1.59	1.13
NRC	0.9										



Disclaimer: The information contained in this technical data sheet is the result of extensive laboratory testing performed on our products during standard production. The values given here are typical average values and are believed to be correct to the best of our knowledge. But users should not rely on them absolutely and must confirm their validity and suitability in each particular case