



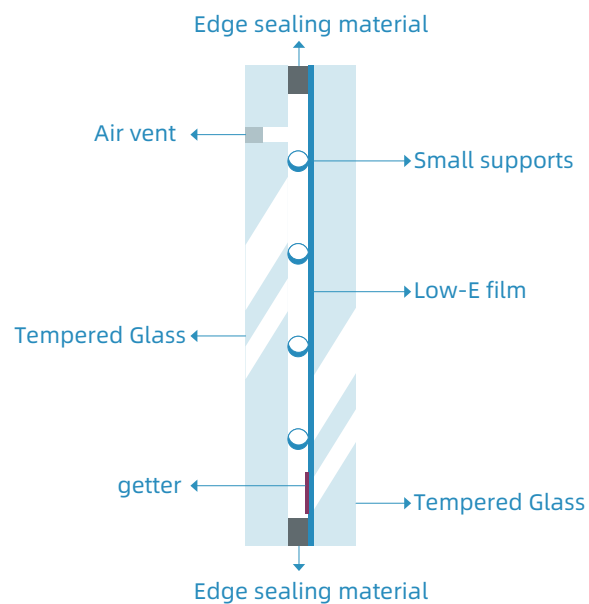
VC-Glass

95%
Insulation of heat

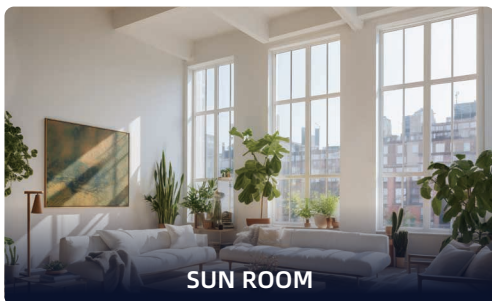
90%
Insulating efficiency



Technical Principles



Note: Color and thickness do not represent the actual situation, only for the convenience of illustration.



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Key Features



More secure

The stress at any point on the surface of the product exceeds **90MPa**, The wind pressure resistance strength of Filmbase VC-Glass reaches **+7200Pa**.



Size worry free

The maximum size of a single product can reach **1.5x2.5** meters.



Sound insulation

The sound insulation and noise reduction performance of Filmbase VC-Glass is based on the fact that sound does not propagate under vacuum conditions. The weighted sound insulation reaches **39 dB**.



Various angles

Filmbase VC-Glass is not affected by the change of gas thermal conductivity when placed horizontally.



Anti condensation

There is no gas inside the Filmbase VC-Glass, and even if the outdoor temperature reaches minus 40°C it will not condense. It has passed RoHS certification and can be fully applied to the high-end home appliance market worldwide.



Thermal insulation

Its heat transfer coefficient (U value) is as low as **0.4 W/m²·K**, significantly reduces energy loss and building energy consumption. The thermal insulation effect is more than 1 meter thick brick wall, is **4~6** times of ordinary insulating glass.



Long service life

All-glass material seal, internal plus getter and Low-E film, as long as the manufacturing process and equipment advanced, Filmbase VC-Glass service life is much longer than the organic material sealed hollow glass.



Be even quality

We have passed the ISO9001:2015 quality system certification and have undergone rigorous system and process audits by Bosch Home Appliances to ensure the reliable quality of every piece of Filmbase VC-Glass. We are also insured by PICC quality assurance insurance.

Product parameters

Products	U value W/(m ² ·K)	Visible Light Transmittance	Volume isolation	Regular size	Biggest size
5TL+0.3V+5T	0.50	75%	39dB	1500x2000mm	2000x3000mm

*5T represents 5mm thick white glass; 0.3V represents a 0.3mm thick vacuum layer; 5TL represents 5mm thick Low-e glass; 9A represents a 9mm thick hollow layer; 0.76P represents a 0.76mm thick adhesive layer.

