

公司名称 (CN Company Name) :

佐岚门窗 (上海) 有限公司

LCP95 被动窗产品描述 (LCP95 Passive Window Product Description)

LCP95 被动窗是主打超低能耗、极致隔热保温的高端系统门窗产品，专为被动式超低能耗建筑、高端住宅、绿色节能建筑量身打造，兼顾简约美学外观、硬核节能性能与长效稳定品质，适配各类对保温、隔音、密封、防结露有高要求的建筑场景，全方位升级人居舒适体验。

在型材结构设计上，LCP95 被动窗采用精致规整的框扇结构，型材框扇看面总宽为 90mm，比例协调简约大气，既能适配现代建筑的极简装修风格，又通过科学的结构力学设计，提升整窗的刚性与稳定性，抗风压、抗变形能力优异，兼顾颜值与实用性。

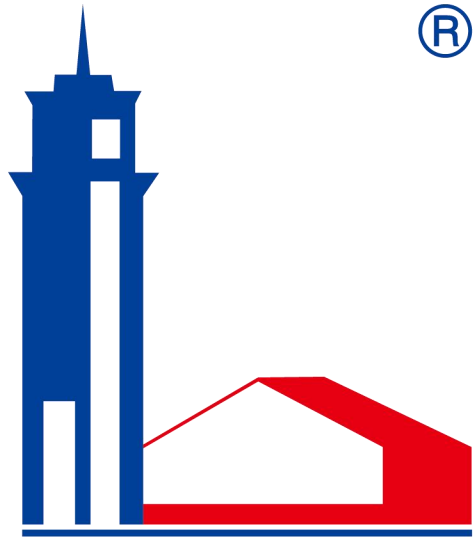
核心隔热配置上，产品搭载德国原装泰诺风 54mm 高性能隔热条，大宽度隔热条大幅拉长热量传导路径，从根源阻断窗框冷热交换，告别普通门窗热量流失快、冬冷夏热的问题。同时，隔热条腔内精心填充低导热系数聚氨酯保温材料，致密的保温填充结构填补隔热空腔缝隙，杜绝空气对流造成的热量损耗，进一步降低整窗传热系数，实现层级化、全方位的隔热保温效果，完美契合被动窗超低能耗的核心标准。

密封系统方面，LCP95 被动窗全系标配软硬共挤 EPDM 胶条。胶条结合硬质支撑

与柔性密封的双重优势，质地柔韧耐候、回弹性能出色，可紧密贴合门窗开合缝隙，有效阻隔室外风雨、噪音、灰尘侵入。同时具备优异的抗老化、耐低温、抗氧化特性，长期使用不易硬化、开裂、变形，持久保障整窗的高气密性、水密性与隔音性能，适配复杂户外气候环境。

玻璃配套采用行业高端配置，选用德国泰诺风 TGI-Spacer Precision 高精度暖边间隔条。该间隔条依托德国精密工艺打造，采用低导热复合材质，相较于传统暖边间隔条，导热系数大幅降低，可有效减少玻璃边缘热传导，显著提升玻璃边缘表面温度，从根本上杜绝窗边结露、发霉问题。同时产品通过严苛的行业标准认证，工艺稳定性强、适配性高，线性膨胀系数与玻璃高度契合，可规避长期使用后的玻璃密封失效、漏气起雾问题，有效优化整窗隔热性能，降低建筑能耗，助力建筑实现近零能耗标准，是高端被动式门窗的优选核心配件。

整体而言，LCP95 被动窗以德国高端核心配件、科学的节能结构、严苛的工艺标准，打造出高性能、高稳定、高舒适的超低能耗门窗产品，集保温隔热、静音密封、抗候耐用、颜值百搭于一体，完美适配现代绿色节能建筑的多元化使用需求。



JOYSLAND

Reference Translation

Company Name:

Zuolan Doors & Windows (Shanghai) Co., Ltd.

LCP95 Passive Window Product Description

The LCP95 Passive Window is a premium system window designed for ultra-low energy consumption and superior thermal insulation. Tailor-made for passive ultra-low-energy buildings, high-end residences, and green energy-efficient constructions, it seamlessly blends minimalist aesthetics, robust energy-saving performance, and long-term stability. It is highly adaptable to architectural scenarios demanding exceptional thermal insulation, soundproofing, sealing, and anti-condensation properties, comprehensively upgrading living comfort.

In terms of frame and sash structural design, the LCP95 features a refined and well-proportioned structure with a total visible width of 90mm. Its harmonious and minimalist proportions perfectly complement the modern minimalist interior design style. Furthermore, the scientifically engineered structural mechanics enhance the overall rigidity and stability of the window, delivering outstanding wind pressure resistance and deformation resistance, thus achieving an ideal balance of aesthetics and practicality.

At the core of its thermal insulation configuration, the product is equipped with 54mm high-performance thermal break strips originally imported from Technoform, Germany. The wide thermal break strips significantly extend the heat conduction path, fundamentally blocking heat exchange between the indoor and outdoor environments.

This effectively eliminates the rapid heat loss and uncomfortable indoor temperatures typical of ordinary windows. Meanwhile, the cavities within the thermal break strips are meticulously filled with low-thermal-conductivity polyurethane insulation material. This dense filling structure seals any gaps in the cavity, preventing heat loss caused by air convection and further reducing the overall heat transfer coefficient (U-value) of the window. This creates a multi-layered, comprehensive thermal insulation effect that perfectly meets the core ultra-low-energy standards of passive windows.

Regarding the sealing system, the LCP95 comes standard with co-extruded EPDM (Ethylene Propylene Diene Monomer) seals. These seals combine the dual advantages of rigid support and flexible sealing. They are highly resilient, weather-resistant, and feature excellent rebound properties, ensuring a tight fit against the gaps when the window opens and closes to effectively block out wind, rain, noise, and dust. Additionally, they possess superior aging resistance and can withstand extreme high and low temperatures as well as oxidation. They are not prone to hardening, cracking, or deformation over long-term use, persistently guaranteeing the window's high air-tightness, water-tightness, and acoustic performance, making them perfectly suited for complex outdoor climates.

For the glazing system, the window adopts industry-leading configurations, featuring TGI-Spacer Precision high-precision warm-edge spacer bars from Technoform, Germany. Crafted with German precision engineering and utilizing

low-thermal-conductivity composite materials, these spacers boast a significantly lower thermal conductivity compared to traditional warm-edge spacers. This effectively reduces heat conduction at the glass edges and significantly raises the surface temperature at the perimeter, fundamentally preventing condensation and mold growth around the window. Certified to rigorous industry standards, these spacers offer exceptional process stability and high adaptability. Their linear expansion coefficient closely matches that of the glass, preventing long-term seal failures, gas leakage, and fogging. This optimizes the overall thermal performance of the window, reduces building energy consumption, and facilitates the achievement of near-zero energy standards, making them a preferred core component for premium passive doors and windows.