

Powerful visual transparent 6mm HST +12A+8mm HST Low Iron heat soak testing glass for glass walls



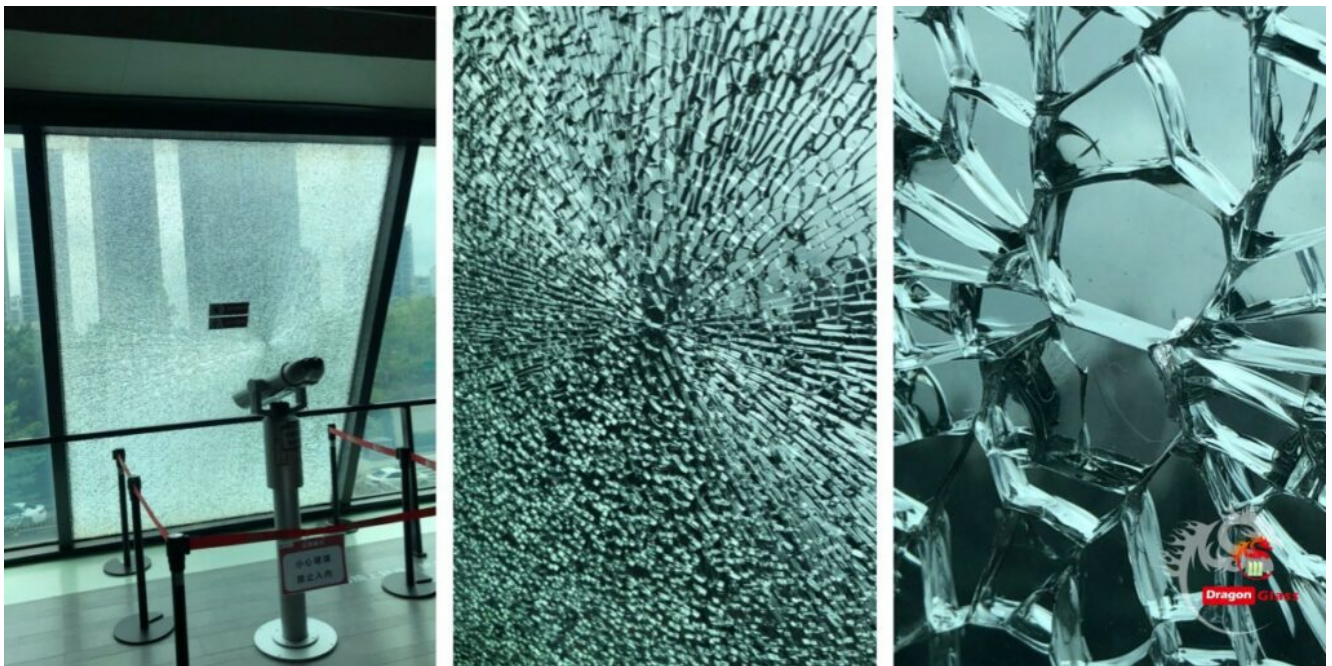
What is heat soak tested glass –

HST□

Heat soak testing is a process carried out in the manufacturing stage of glass, used to reduce the risk of spontaneous breakage in architectural glazing.

Tempered glass manufactured by Dragon Glass ranks among the very top-quality products. It complies with PN-EN 12150-1 standard regarding strength, fracture pattern, dimensions, and tolerances as well as edge finish.

Nevertheless, we cannot overcome some weaknesses of float glass in production:



Tiny nickel sulfide crystals (NiS) may occur in the molten glass during the float glass production process. When glass is heated during toughening, nickel sulfide impurities in the glass pane increase their volume; when the heated glass is rapidly quenched in the toughening process, the impurities,

which need a certain amount of time to return to their original state, cannot do so and become “frozen”, producing additional local stress concentration.

The mechanism resembles a delay-action bomb: when toughened glass containing nickel sulfide impurities is used in a structural glazing system on a building façade, it gets heated by sun rays, allowing frozen crystals to expand, and thus generating even more internal stress. With inclusion in the core tensile zone, stress is highly likely to exceed the acceptable level, causing spontaneous fracture of the pane.

In order to minimize the risk of user injury and having to replace glass in the future, we will conduct a heat soak test procedure in production. During this thermal treatment, any glass containing nickel sulfide is forced to shatter, leaving only panes with reduced risks.



heat soak testing

How to produce 6mm HST +12A+ 8mm HST low iron heat soak testing glass for glass walls?

When it comes to producing IGUs, attention to detail is key, and our team of experts is dedicated to ensuring every unit meets these high standards. Of course, we can produce High quality insulated glass automatically produced by [Lisec intelligent plant](#).

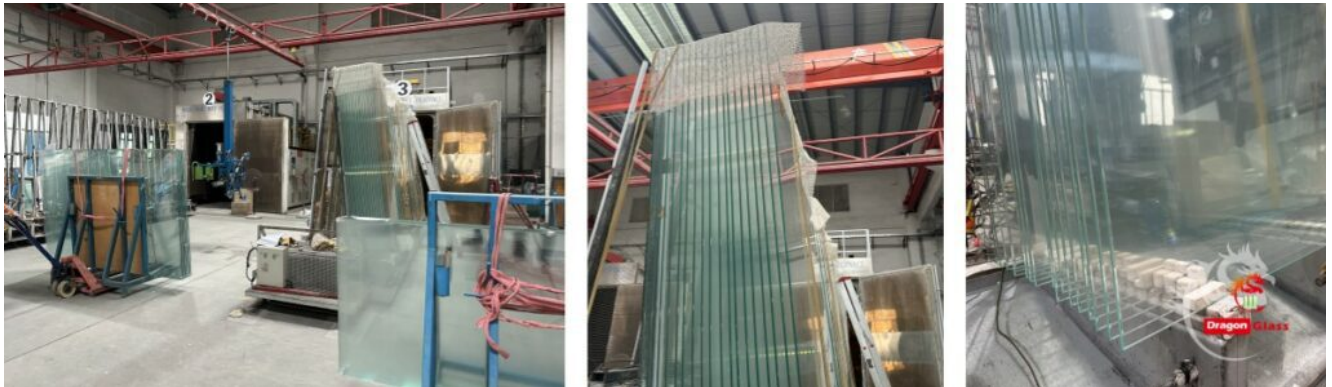
Benefits of heat soak testing for commercial and residential glass:

- 1, Improves heat resistance
- 2, Reduce the damage to people caused by glass self-explosion.
- 3, Cut loss due to on-site breakage.
- 4, Reduce the additional costs of replacing glass panes.
- 5, We recommend using heat soak tested glass where difficult places to replace glass such as roof or high-level glazing, balustrades, screens, and high-level curtain walling.

Specifications:

Production name: 6mm low iron HST +12A+ 8mm low iron HST IGU	
Glass raw material: Top A grade	
Glass thickness: 26mm, other thicknesses are also available;	
Glass color option: Low iron, other colors clear, blue, gray, green, pink, and bronze are also available;	
Glass shape: Flat, Curved is available;	
Heat soak test standards: Subject to BS EN 14179-1:2005; Tested in accordance with EN 12600: Glass in building – Pendulum test – Impact test;	
Quality: CE/ASTM/AS/ISO9001/BS/CE;	
Packing: Strong plywood crates;	

Capacity: 2000SQM/day;	
Production time: 15~25 days;	



heat soak testing

Dragon Glass heat soak test standards:

- **Dimension:** Refer to BS EN 14179-1:2005 and PMB customer's standard
- **Appearance:** 15763.4-2009 and BS EN14179 client's standard
- **Heat soak testing:** Refer to BS EN 14179-1:2005 and PMB customer's standard (BD'SAPP-37).
- **Tested:** 100% full inspection. In accordance with EN 12600: Glass in building: Pendulum test, Impact test, Fragmentation test.

Quality:

- Subject to BS;

- Subject to AS;
- Subject to ASTM;
- Subject to CE.

Applications of heat soaking IGU:

In commercial properties it is common for glass to be placed in inaccessible places, making it more complex and inconvenient to replace if needed.

To prevent the risk of breakages, architects should specify heat soak tested glass. Glass units with this treatment are already proven to withstand the intense thermal strain and will not cause any further damage during installation or in future use – so you can relax!



heat soaking IGU

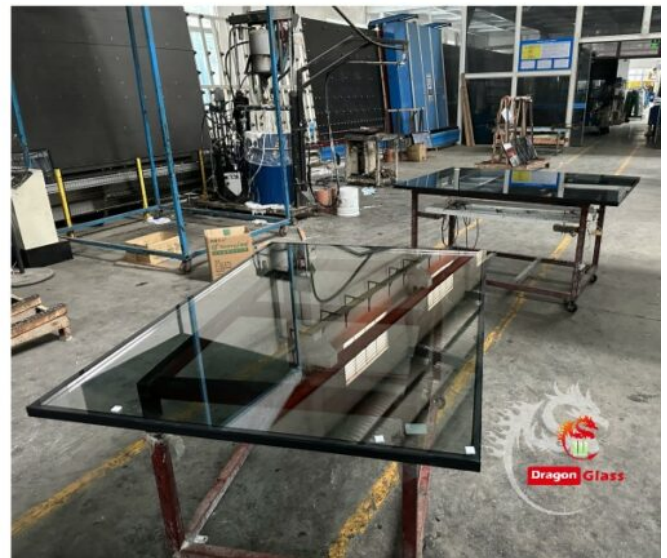


heat soaking IGU



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Product details:



heat soaking IGU

Packing and delivery:



sturdy plywood crates to ensure safety during long-distance transportation

When you install complicated or intricate glass designs or glass installations using oversized or very specialized glass units, it has more valuable to using heat soak tested glass that may be difficult to access or replace once construction is completed.

If you still have questions about whether heat soak tested glass would be suitable for your project, contact the [Dragon Glass team](#) today, Our experienced team of glass experts is on hand to answer any of your questions.