

Excellent 19mm low iron tempered glass for lobby glass wall prices, China 19mm low iron tempered glass suppliers



1, What is low iron tempered glass?

In different areas or countries, low iron glass is also called ultra clear glass or extra clear glass, or optic white glass.

Low iron tempered glass is also referred to as fully tempered low iron glass.

It is processed by using low iron glass cut to size, later the low iron glass will be polished by edging machines, after the edging process, the low iron glass will be transferred to a tempering furnace, heating up to over 600 degrees temperatures and later cooled down rapidly by strong wind jet. Therefore

will form a high compression on the low iron tempered glass whereas a still tension interior.

Low iron tempered glass has over 5 times strength higher than normal low iron float glass, with tempering stress over 90Mpa, and can endure strong impact without breaking, even when broken due to extremely high impact, the tempered glass will shatter into small pieces with obtuse angles which will do no harm to humans.



Tempered glass breakage will shatter into small particles which is harmless to humans.

Compared to clear glass or other tinted glass, low iron glass is purer and has a better appearance. More importantly, it has a very low risk of tempered glass spontaneous breakage. If combined with the [heat soak test process](#), the **19mm low iron tempered glass** will have almost zero spontaneous breakage rate.

Therefore it is super suitable for large sizes glass projects such as **lobby glass walls** or facade fins glass, etc. Shenzhen Dragon Glass as one of the best low iron tempered glass suppliers in China can help provide you with the best solutions for tempered glass products.

2, What are the advantages of low iron tempered glass vs clear tempered glass?

The advantages of low iron tempered glass VS clear tempered glass will be mainly on the:

Item	19mm Clear tempered glass	19mm Low iron tempered glass
Transmittance	85%	89%~91%
Self explosion rate	0.3%	0.1%
Advantages	Economic, common use	High clearance, "crystal glass prince"
Disadvantages	Potential spontaneous breakage risk	More expensive than clear glass

Low iron glass has a clearer appearance:



Clear glass vs low iron glass

3, Products properties

Product name	19mm low iron tempered glass for the lobby
Glass color	Low iron/optic white/extra clear, other colors are available.
Glass thickness	19mm, other thicknesses available. If you need more secure options, tempered laminated glass will be recommended.
Further process	Heat soak test, ceramic frit printing, digital printing, frosting, etc.
Applications	Lobby, facade, curtain wall, glass wall, railing, etc.
Quality	Subject to CE and ASTM standards.
Packing	Strong plywood crates.

Max size	3200*12000mm
Shape	Flat/curved
Capacity	4500SQM/day

4, Low iron tempered glass for lobby projects

With its high strength and safety function and high transmittance low iron glass is super good for lobby and facade fins projects.



19mm tempered glass for lobby projects

5, How to produce tempered glass?

- Adopt top quality grade low iron glass material;
- Cut the glass size according to the size list of the projects;
- Drill holes are subject to the CAD drawings if there are any;
- Do the edgework for the glass;
- Super flat and spotless tempering to make sure our tempered glass quality is great;
- Strong plywood crates packing before delivery.



Tempering process

Tempered glass unloads under a strict quality control system.

6, Shenzhen Dragon Glass low iron tempered glass products details:

Super flat surface with no bubbles, no chips, no scratches or flaws, making sure the tempered glass products with great quality before delivery and shipping.



Low iron tempered glass for lobby & facade fins.

7, Certifications



8, Strong plywood crates packing

Strong plywood crates to pack the large size tempered glass for lobby products, ensuring safety during long distance transportation.



Strong packing for glass delivery safety.

9, What is the 19mm low iron tempered glass price?

The low iron tempered glass price will rely on several factors:

1. size;
2. quantity;
3. heat soak test or not;
4. seasons changes; etc.

So do you have any lobby projects needing glass? [Welcome to send us your inquiry now!](#)