

Factors that affect tempered glass flatness

Factors that affect **tempered glass** flatness

The heat treated glass is not as flat as float glass, the uneven, both glass overall bow and local bow will cause visual distortion after glass was installed. If made into **laminated glass**, the overall thickness of laminated glass is different, the uneven will cause bubbles at glass edge or center and affect laminated glass quality. For **insulated glass**, the uneven PIB cause poor sealing quality, and somewhere will cause the installation.



The reasons cause glass flatness problem is:

1.1 Heating rollers deformation

The rollers will have some deformation during long term high temperature, the deformation of the heating rollers will cause glass uneven when glass moving on the uneven rollers.

1.2 The abrasion of rollers

Long term working and frequent trimming on the rollers will cause uneven rollers, or decreased diameter. Sometimes new replaced rollers works together with old previous rollers, the different abraded rollers will cause deform when softened glass moving on the rollers

1.3 Uneven rollers on the cooling process



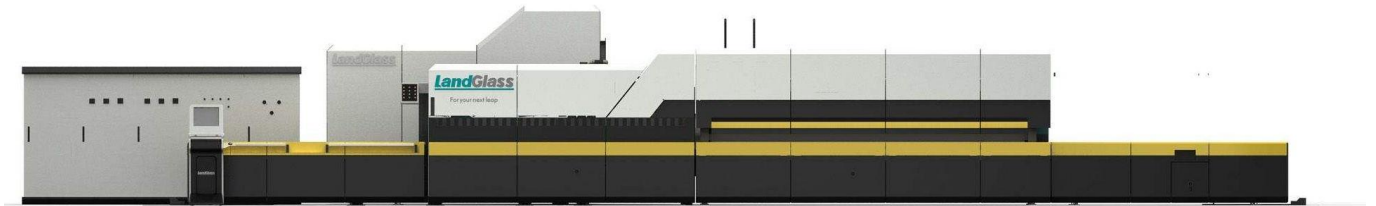
2.1 Temperature difference between glass top and bottom

The glass top was heated by radiation while the bottom is heated by conduction ,which is easy to cause the different temperature between glass surface and glass uneven problem.

2.1 Temperature difference between glass center and edge

3.1 Partial temperature difference of the glass

This is usually caused by broken machine parts during the heating and cooling process.



Glass tempering process contains many parameters,operators shall test samples before starting large scale production.Once the glass is unqualified,check the machine and adjust the tempering parameters,check machine status and improve to avoid more non-conforming glass products.

Morn is your turnkey **tempered glass supplier** from China,welcome contact us for more info.

Tempered glass and Nis

How to improve the yield of tempered glass

J shaped tempered glass

The reasons for tempered glass self explosion

Glass tempering handbook

Factors affect tempered glass flatness

Tags: **glass overall bow, glass tempering process, glass visual distortion, insulated glass, laminated glass, tempered glass flatness, tempered glass local bow, tempered glass supplier, tempering furnace roller**



QINGDAO MORN BUILDING MATERIALS CO.,LTD

Your turnkey China tempered glass/laminated glass/insulated glass supplier

About Morn Building Materials:

Morn Building Materials Co.,Ltd is trading company offering the right facade materials for a wide range of applications for architectural,design and system requirements.Cooperating with China premium glass fabricators,Morn is able to supply whatever glass products applied in facade,Spandrel ,roof ,handrail,partition,balustrade,canopy,greenhouse,sun room ,interior exterior application.

Other facade materials:Aluminium alloy profiles,aluminium plates,aluminium windows&doors,Assa Abloy hardware,spider fitting,railing systems,shower rooms,polyurethane panels,machines&tools,steel structure, are also available since 2019.

From aesthetics, to strict environmental and energy specifications, to critical budget and delivery requirements, our input can make a difference.

Contact us:

Qingdao Morn Building Materials Co.,Ltd

China HQ: Room A304,Shengxifu Road,NO.209 Weihai Road,Shibei District,Qingdao,China,266024

Sales Email: marketing@cnmorn.com

Technical support: han@cnmorn.com

Mobile/Wechat: 0086-17705464660

Website:<https://www.cnmorn.com/>