

Komplett veiledning av tilpasset arkitektonisk glass (2020)



There are so many types of architectural glass nowadays. Most of us might not even have heard of them before. But the architectural glass world is amazing and full of fantasy. Let's explore the construction glass world here with [Shenzhen Dragon Glass](#)!

1, Flottør glass

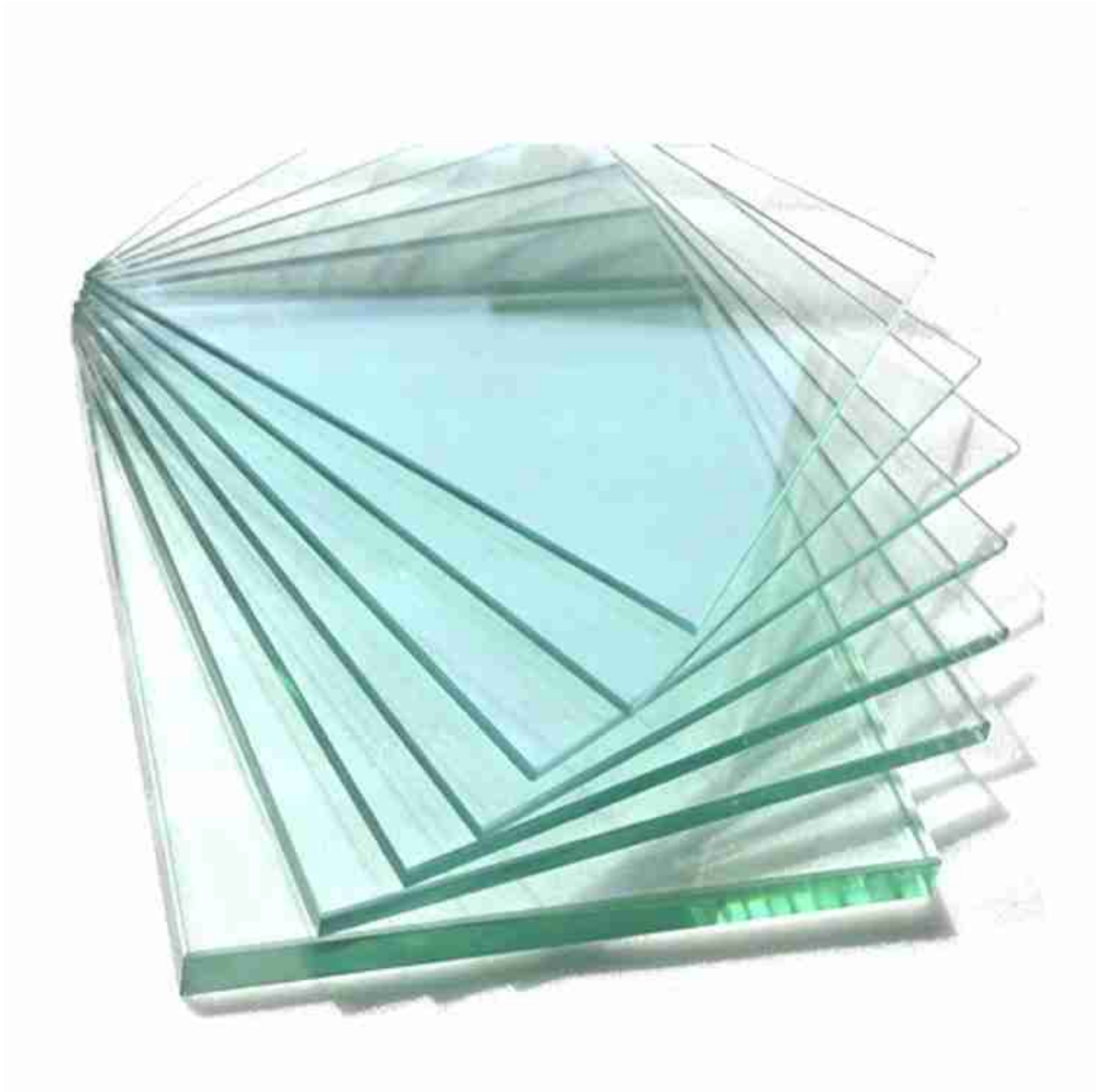
Float glass is also called **annealed glass**, **flat glass**, etc. The process of float glass production is completed in a tin bath within protective gas. The molten glass flows continuously from the pool kiln and floats on the surface of the dense tin liquid. Under the action of gravity and surface tension, the glass liquid spreads and spreads on the tin liquid surface and forms a smooth surface. During the

transition of glass, it is under the annealed process and continues cooling down to room temperature.

Clear float glass is most commonly used. Others such as ultra clear(low iron), tinted glass, reflective coated glass are also available.

Applications of float glass: glass doors and windows, railings, partition walls, glass office, glass shopfront, etc. Providing wind protection and heat preservation.

God kvalitet flyteglass har ingen bobler ingen chips ingen riper med en super glatt overflate.



Vi tilbyr super høy kvalitet float glass til salgs:

The thickness of float glass: 1.8~25mm.

Color of float glass: low iron, clear, grey, blue, green, bronze, pink, etc.

Size: 2140*3300, 2140*3660, 2440*3300, 2440*3660, etc
customized glass size available too.

2, Herdet glass

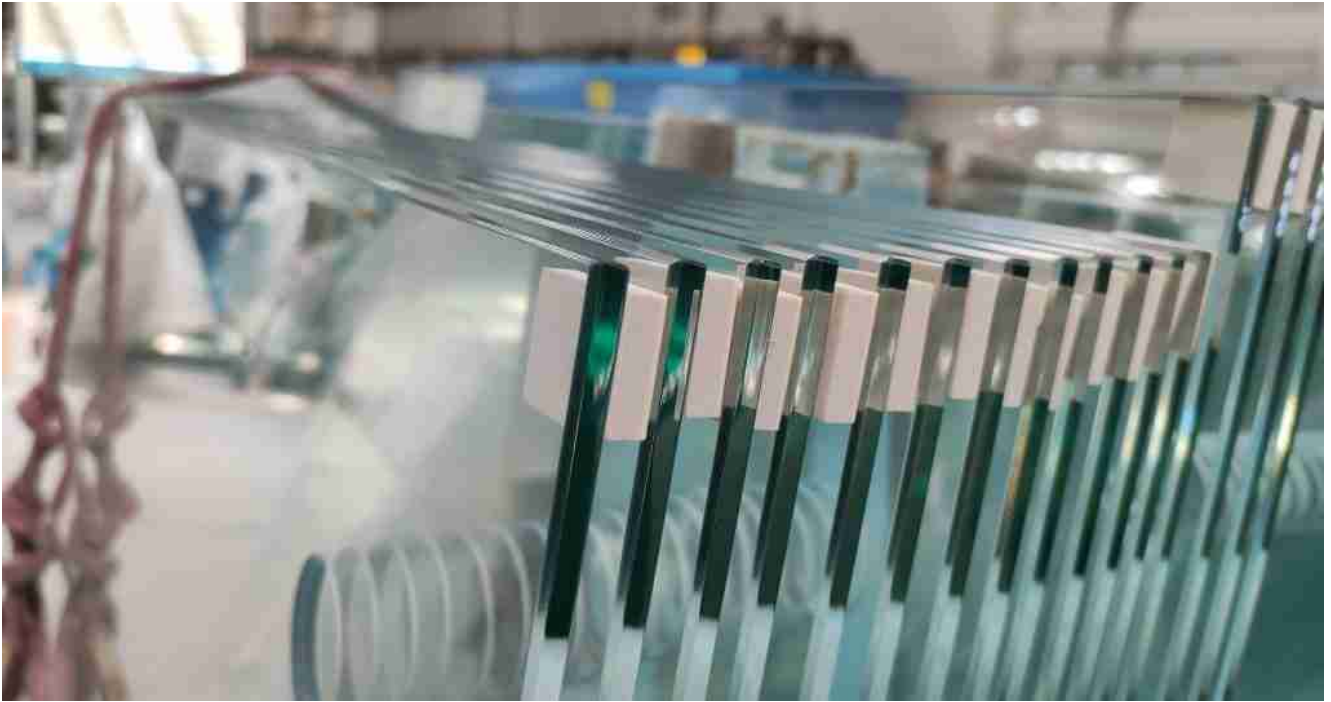
[Tempered glass](#) is also called toughened glass, tampered glass in different areas or different countries. It is produced by heating the glass to a temperature around 650 degrees, and then cooling down the glass rapidly by a strong wind jet to form compression stress on the glass surface whereas the interior is still in tension stat. It has good mechanical properties and high thermal resistance.

Tempered glass panels have **5 times higher strength** than normal annealed glass panels. It can withstand a very high impact without breaking. Even if it is broken due to extremely high impact, the whole piece of glass is broken into small obtuse angle small particles, which will not harm humans, so it is also called safety glass.

. The glass needs to be cut to size before tempering.

[Tempered float glass](#) panels are widely used as glass doors, architectural glass curtain walls, escalator glass fences, glass display cabinets, glass railing, [glass pool fencing](#), glass windows, etc.

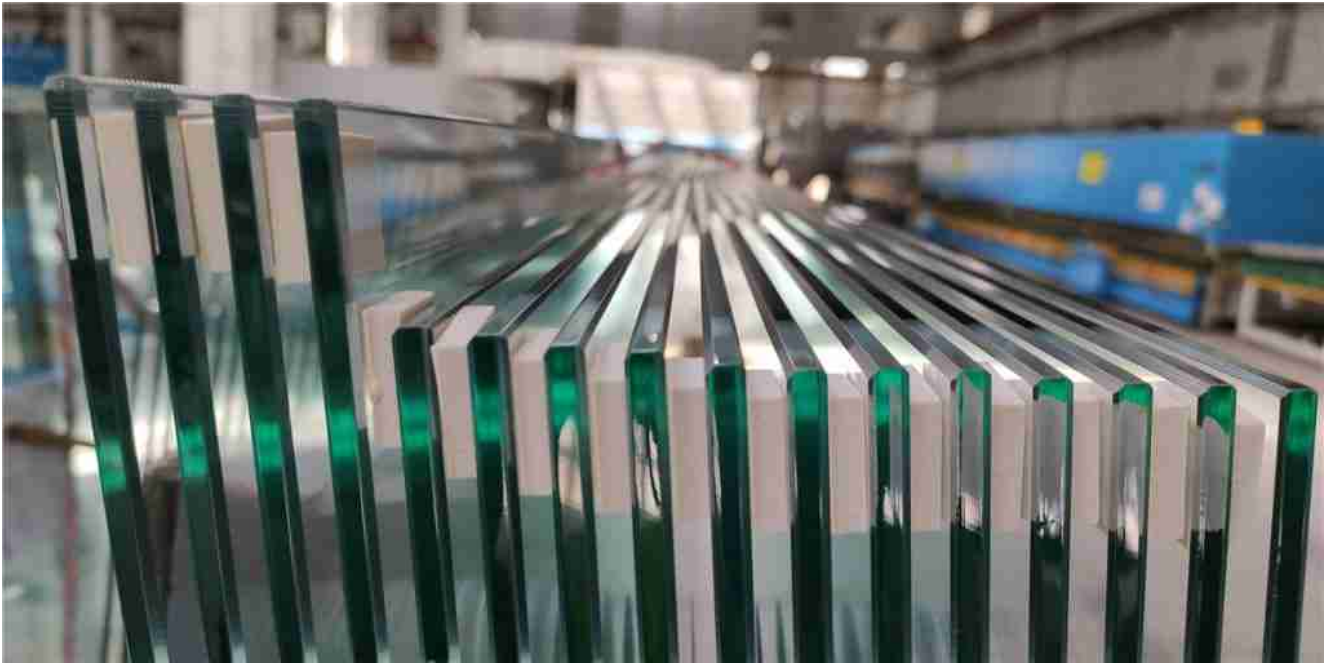
Hvis du søker hvor du skal kjøpe herdet glass, kontakt oss for den beste herdet glass pris her!



Tilpasset herdet glass

3, Varme styrket glass (Halvt herdet glass)

[Heat strengthened glass](#) is also called semi-tempered glass or half tempered glass, it is produced [REDACTED]. After float glass is cut to custom sizes, it will be edged and drilled and later transferred to a tempering machine, by heating to around 700 degrees and later cool down rapidly by the strong wind jet. The difference between heat strengthened glass production vs tempered glass production is that the cooling down speed of heat strengthened glass is much slower than that of tempered glass. Therefore the heat strengthened glass is only 2 times strength higher than normal annealed glass. But the advantage of heat strengthened glass is that the surface of it is much flatter and more spotless than tempered glass. Half tempered glass is widely used where less strength & better flatness is required such as laminated curtain wall, low rise windows, etc. The semi-tempered glass [REDACTED].



Kutt til størrelse varme styrket glass

4, Varmt bøye-glass



The original piece of glass is heated in a hot bending furnace to the glass softening point and later cools down slowly to room temperature. During the cooling process, it will form a specific shape according to the mold by its weight.

To stykker varmt bøye-glass kan videre forsterkes til et varmt

bøyelaminat glass.

Anvendelse av varmt bøye glass: Arkitektoniske bue gardin vegger, dører og vinduer glass, kunstneriske bordtopper, etc.

Tykkelse: 3mm ~ 15mm, etc.

5, Frosted glass:

There are generally **two types of frosted glass**.

Sandblasted glass

Sandblasted glass is also called sandblasting glass, it is using a strong wind jet to blow sand or other metal materials on the surface of the glass to form certain patterns, which can have an obscure glass effect. Sandblasted glass is widely used as partition glass walls, windows, shower rooms to achieve privacy functions.

Before the production of sandblasted glass, we can adhere to some stripes on the glass to form different shapes, patterns of the sandblasting glass. Later transfer the glass to the sandblasting machine to form different sandblasted glass designs! Here are pictures for reference:

Acid etched glass

Acid-etched glass is the other type of frosted glass, it is produced by using chemical material such as Hydrofluoric acid to make the glass surface rough and form an obscure effect. Mostly acid etched glass is used in glass offices, glass partition walls, shower room glass, etc where privacy is required.

Fordeler:

1, sammenlignet med sandblåst glass, har syreet glass en jevnere overflate som kan gi myke følelser og ingen fingeravtrykk.

2, Multiple patterns are available for decorations.

3, lett å rengjøre.



Syre etset glass gir elegant design og gode rørende følelser.

6, Laminert glass

[Laminated glass](#) is made by combining two or more pieces of glass “sandwiched” with pvb or sgp or eva interlayer, under high temperature(>130°C)& high pressure in an autoclave processed for over 2~6 hours and later form a permanent combination between the glass and the interlayer materials. Laminated glass has a higher strength than a single tempered glass panel. Even if the glass breaks, the broken fragments will still adhere to the pvb or sgp or eva interlayer, completely no harm to human beings. Moreover, laminated glass has an excellent soundproof function. Which makes it popular as an application for crowded places.

Applications of laminated glass: glass roofs, glass curtain walls, glass skylights, glass shopfronts, glass floors, [glass railings](#), and other areas.



Digitalt trykt glass mønstre laminert glass

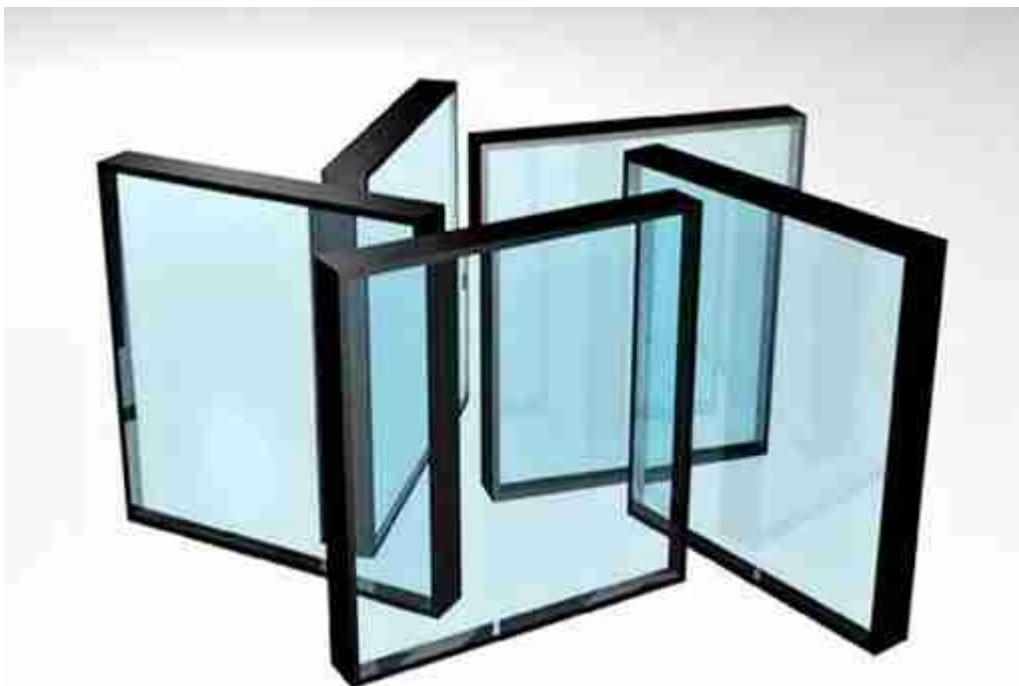
7, Isolert glass

Isolert glass kalles også doble glass, det består av to eller flere lag av glasspaneler atskilt av en aluminium avstandss avstandsmell og forseglet med butyl tetningsmasse og senere strukturell tetningsmasse. Isolert glass brukes der god termisk ytelse og lydisoleringsfunksjoner er nødvendig etter behov. Noen ganger argon gass vil bli vedtatt for å forbedre varme & lyd isolasjon ytelse.

Low-e coating insulated glass can have an [REDACTED]. In some cold areas or countries, the triple insulated low-e glass will be a good choice as the U-value will be lower than 0.6 W/m²K.

Andre typer isolert glass som keramisk frit isolert glass, digitalt trykt isolert glass, PDLC isolert glass, solcellereflekterende isolert glass, etc er alle tilgjengelige.

Insulated glass is widely used as curtain walls, windows, doors, partitions, glass walls, etc.



Tilpasset isolert glass med super høy ytelse.

8, Keramisk frit glass

[Ceramic frit glass](#) is also called **silk screen printed glass**. It is produced by printing frit on the glass and later heated until the frit melts so that the frit layer and glass are firmly combined. It has good chemical stability and decoration effect and is suitable for exterior wall decoration of buildings.



Keramisk frit glass med gradient fargedesign

9, Digitalt trykt glass

[Digital trykt glassteknologi](#) bruker en digital utskriftsmetode for å skrive ut uorganisk høytemperaturblekk direkte på glasset. Etter herding har den enestående syre og alkalimotstand, korrosjonsbestandighet og værbestandighet.

Digitale trykte glassfunksjoner:

Enkel å implementere

Any digital printed patterns, digital printed glass designs, and colors are accurately printed.

Holdbarhet og presisjon

Blekket smelter inn i glasset og har super stor ripemotstand, syremotstand, UV-motstand og værbestandighet.

Helt nye medier for kunstnerisk uttrykk

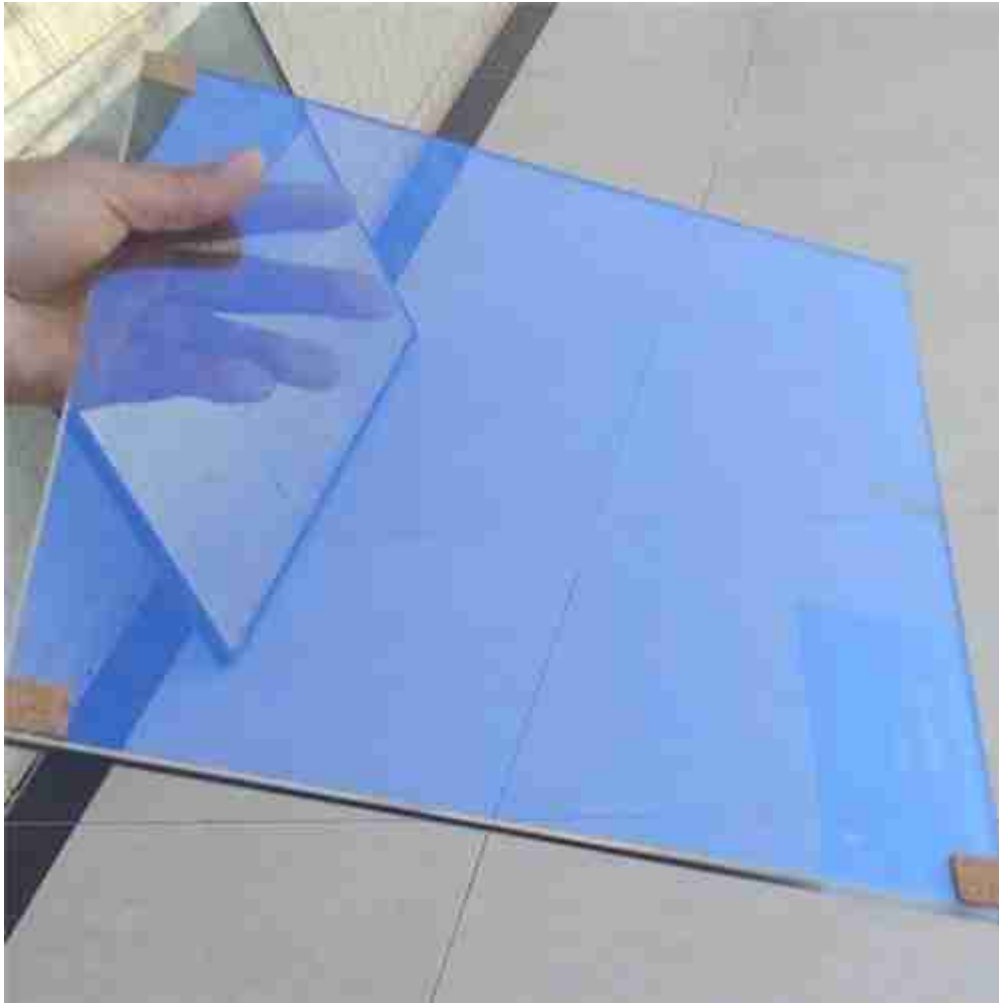
Digital printed glass panel is making art design and imagination without any limitations.



Design av digitale trykte glassmønstre

10, Anti-varmebelegg glass

[Heat reflective glass](#) is also called solar heat reflective coating glass, it is generally coated with one or more film layers composed of metals such as chromium, titanium, or their compounds on the surface of the glass by using high vacuum magnetic sputtering method(PVD), which makes the product appear rich in color, has appropriate transmittance for visible light, and has a high reflectivity of the solar light. It also has a high absorption rate for ultraviolet rays, so it is also called solar control coating glass, which is mainly used in buildings and glass curtain walls.



Blå farge varme reflekterende belegg glass



gylden farge varme reflekterende belegg glass

11, Lav-e glass

[Low-e glass](#) is short for low emissivity glass, is composed of multiple layers of silver, copper or tin, or other metals or their compounds on the surface of the glass. The Low-e glass product has a high transmittance for visible light whereas a high reflectivity for infrared rays and good heat insulation performance. Low e glass can help you have a cool environment in the hot summer and a good warm room in the cold winter.

Lavt glass skal påføres i isolert glasskonfigurasjon for å hindre at sølvlaget oksiderer. Kvaliteten på isolert glass er nøkkelen til den lange levetiden til lavt e glass.

Vanligvis er det 3 typer lavt e glass på bygningen glass

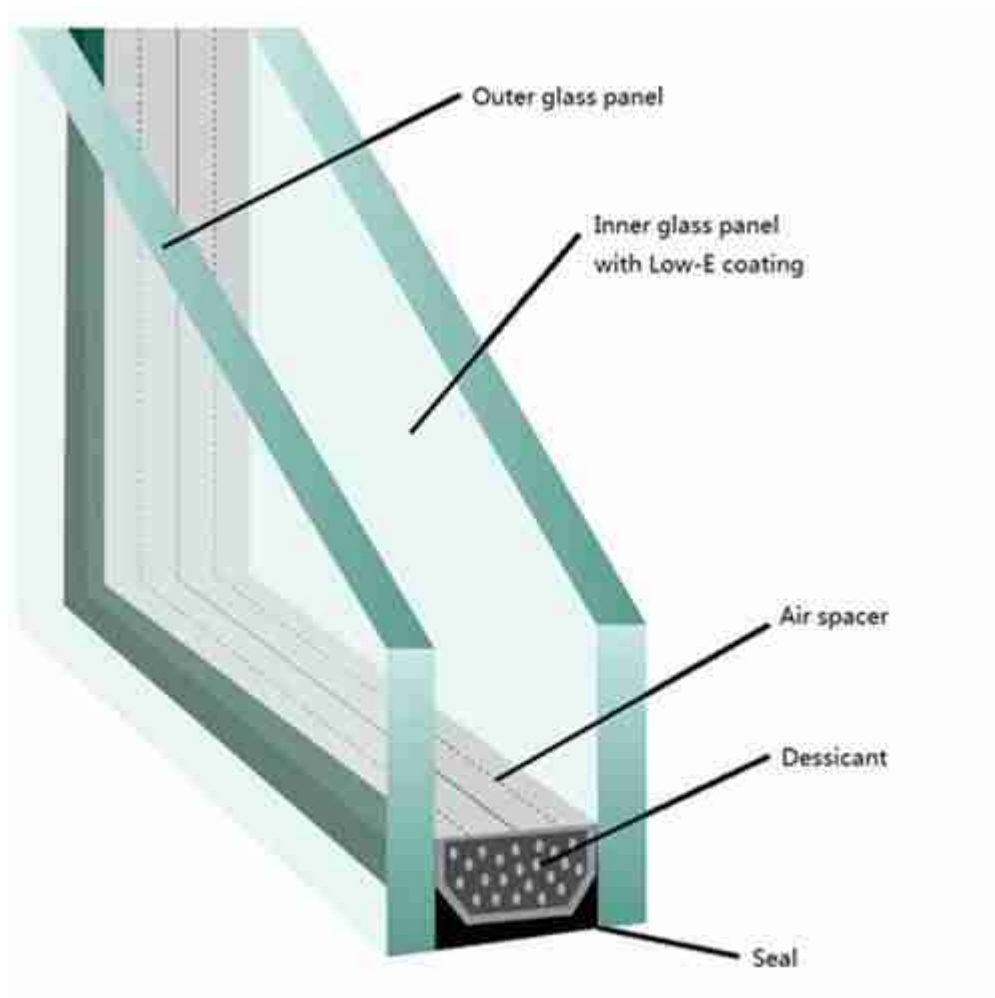
markedet nå: enkelt sølv lav e glass; dobbel sølv lav e glass, trippel sølv lav e glass.

For energibesparende funksjoner ytelse er som nedenfor:

Enkelt lavt e glass

Low-e glass is mainly used for facades, windows, glass walls, etc.





12, U-kanals glass

U formet glass er en ny type bygning energibesparende veggprofil glass. Den har god lystrans transmittans, utmerket termisk isolasjon, lydisoleringsfunksjon og høy mekanisk styrke. Formen er en bannertype, som gir moderne design, rene og glatte linjer, har en unik dekorativ effekt. Installasjonen er super praktisk og den totale kostnaden er lav.

Tykkelse: 7mm U kanal glass;

Glass farge: ultra klar, klar, andre farget glass farger er tilgjengelig også;

Glassoverflate: glatt, frostet, etc;

U kanal glass applikasjoner: glass vegg, glass gardin vegg,

glass fasade, etc;



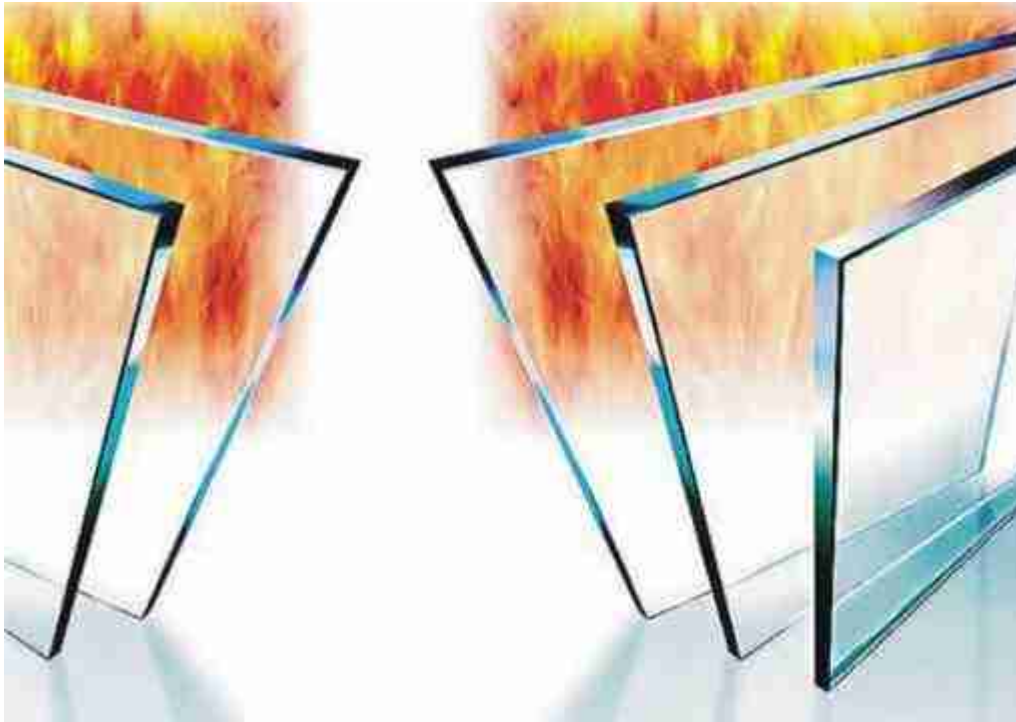
U kanalglass med utmerket design og ytelse

13, Brannbestandig glass

Fire resistant glass is also called fireproof glass. Generally speaking, there are [REDACTED]

Single fire resistant glass panel:

Det ene stykke cesium kalium brannsikkert glass er ion-utvekslet i mer enn 20 timer ved høy temperatur gjennom spesiell kjemisk behandling, erstatte metallisk natrium på glassoverflaten for å danne et kjemisk herdet stresslag, og etter fysisk behandling danner glassoverflaten et høyt styrketrykk Stresset forbedrer effekten styrke. Når glasset er knust, viser det en tilstand av små partikler, noe som reduserer skaden på menneskekroppen! Styrken på det ene stykke cesium kalium brannsikkert glass er 6-12 ganger det av vanlig glass og 1,5-3 ganger det av herdet glass! Enkelt brannbestandige glasspaneler kan videre behandles som brannbestandig laminert glass, brannbestandig isolert glass, etc for å forbedre lydisolering eller energibesparende funksjoner.



Enkelt brannbestandig glasspanel

Composite fire resistant glass:

Produksjonsprosessen av tradisjonell kompositt brannsikkert glass vedtar vanligvis en fugging metode, og ekspansjon flammehemmende bindemiddel brukes mellom tre eller flere glassbiter. Laget blir ugjennomsiktig og spiller rollen som brann, og varmeisolasjon.

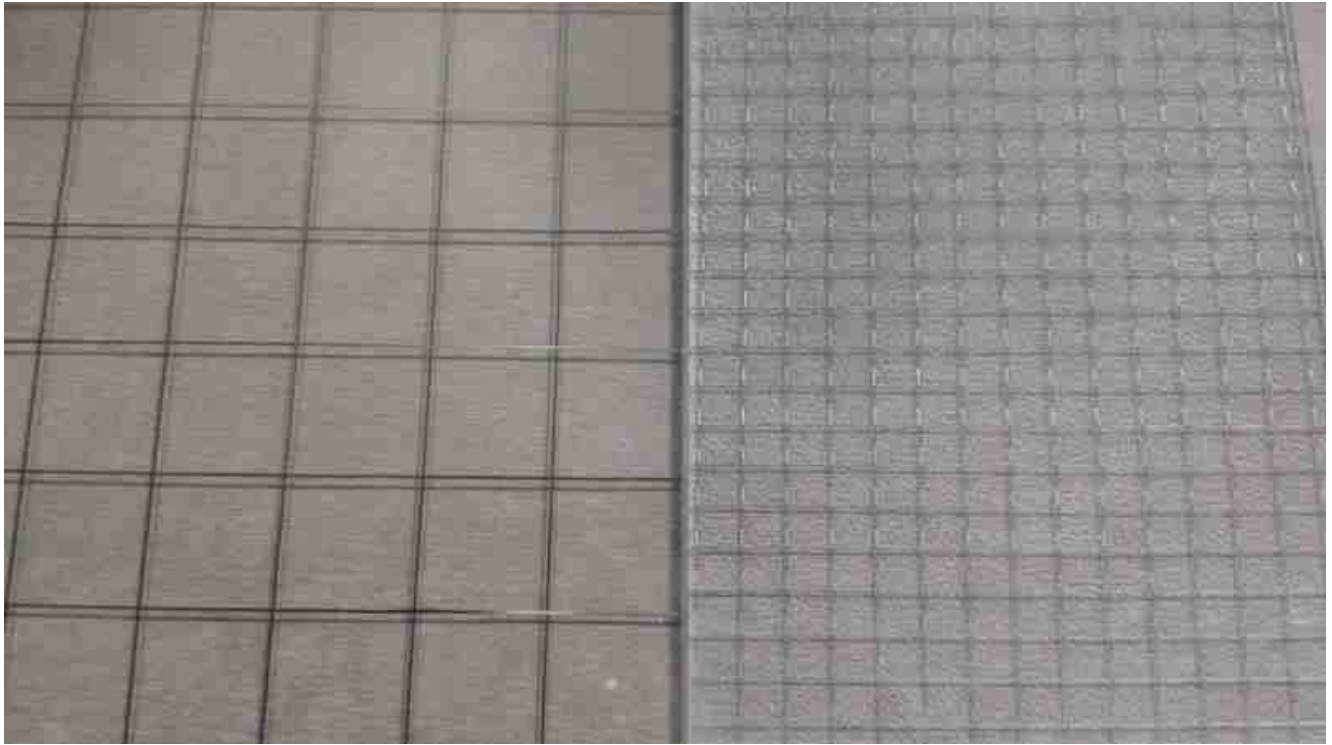
Produksjonsprosessen er: For det første kutte flere glassbiter til samme størrelse, forsegle dem rundt med en stripe, la en fugemasse, og vente på bindingen mellom grensen og glasset som skal være fast Etterpå helles den brannsikre væsken fra fugemasse, etter størkning og forsegling. Denne typen brannsikkert glass har en annen brannhemmende formel og struktur, og den generelle brannsikre tiden er mellom 30-90 minutter. Det meste av det brannsikre glasset som produseres av fugging kan Møte de tre ytelsesindikatorene for brannintegritet, stråling og varmeisolasjon.



Kompositt brannbestandig glass

Wired fireproof glass:

Wired glass is a common flat glass produced by the calendering method. When the glass ribbon is formed between the calender rolls, the heated steel wires are placed on the glass plate. Wired fireproof glass can play the role of fire prevention and anti-theft function. When a fire occurs, the wire glass is heated and cracked, but the glass fragments remain on the metal mesh and do not fall off. The whole glass maintains integrity at a certain time. The wired fireproof glass prevents flame penetration and plays a role in preventing the spread of fire.



Kablet brannsikkert glass

14, PDLC-glass

PDLC glass kalles også magisk glass, byttbart glass, smart glass, intelligent glass, etc. Forskjellen mellom PDLC-glass og vanlig glass er at det kan justere gjennomsiktigheten.

The glass will turn obscure and transparent with only a click of the electricity power.

PDLC glass is widely used in glass partition walls, glass offices, toilet glass partitions, windows, facade, etc.

15, Smeltet glass

Smelteglass produseres ved å sette et bestemt varmeprogram og glødekurve, etter oppvarming over glassmykningspunktet, vil det bli glødet etter spesiell støping og kompresjonsstøping. Om nødvendig vil graving, boring, trimming og andre prosesser bli utført.



Smeltet glass

16, Mønstret glass

Mønstret glass er produsert som smeltet glass. Det kan slippe lyset gjennom, men er ikke gjennomsiktig. Mønstret glass har flere alternativer for mønsterdesign som [riflet glass](#), blomsterglass, regndråpeglass, diamantglass, etc. Det er veldig bra for interiør og for vinduer eller dører applikasjoner. Kan brukes som en enkelt rute herdet glass eller videre behandlet som laminert glass for å forbedre sine sikkerhetsfunksjoner eller lydisolering funksjoner, etc.

Mønstrede glasspaneler applikasjoner: dusjdører, skillevegger, vinduer, dører, etc.



Mønstret glass design.

17, Enveis speil

One way mirror uses a special coating that can reflect most of the light. It is usually used in the interrogation room or school psychological consultation room or some residential house where privacy is extremely needed. when using a one-way mirror, the reflection surface must be the light-facing

surface facing the outdoor. When the outdoor is brighter than the indoor, the one-way mirror glass is similar to the ordinary mirror, and the interior side cannot be seen from outdoors, but the indoor can see the outdoor scene clearly. When the outdoor is darker than the indoor, the outdoor scene can be seen from indoor, and the indoor scene can also be seen outdoor, the degree of clarity depends on the outdoor lightness. The one-way glass is mainly suitable for glass windows, glass walls, etc. This product can be used in special places such as public security bureaus, detention centers, prisons, courts, karaoke, offices, kindergartens, psychiatric hospitals, public toilets, etc.



Enveis speil applikasjoner

18, Skuddsikkert glass

Bulletproof glass is produced by several annealed glass panels laminated with multiple PVB or SGP interlayers. There are 25mm, 32mm, 36mm, 40mm, 50mm, etc thickness options. Sometimes, toughened glass is adopted to enhance the strength of bulletproof glass.

Bulletproof glass is widely used as bulletproof windows or bulletproof glass walls, etc to protect the VIP or in bank or luxury villas where super high safety is required.



Skuddsikkert glass

Of all the custom architectural glass mentioned above, which one is your favorite? If you like this article, welcome to click the share button below.

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