

NOVAL ALUMINIUM MIRROR® ----- Environment Friendly

Description

Noval Glass China (NGC) is a highly professional and leading Aluminum mirror manufacturer and supplier, Noval Aluminum mirror is produced from international advanced horizontal production line, pipelining production . Noval Aluminum mirror is created by splashing an aluminum layer onto the glass, which is then treated, processed by one or more layers of highly resistant protective paint.

Advantage

- **Environmentally friendly:**

The new manufacturing process is more environmentally friendly at it excludes the use of copper and lead. Polluting waste products are considerably reduced during manufacture and downstream processing stage .It also means that the products is easier to recycle.

- **Improved optical quality:**

Advanced production technics prevents clouding and minimises the veil effect, transform internal spaces with brilliance and capacious.

- **Increased Durability:**

Special double layer aluminum mirror paint increase the durability

- **Smoothly & exact image**

Noval aluminum mirror with smoothly surface and exact image

- **Limitness processing possibility**

.For any application, Noval aluminium mirror can be customized by sandblasting, acid etched, edging, Engraving, silk-screened and completely suitable for Processing, edgeworked, such as: Beveled, C-edge, Straight, drill, grooved etc...

Producing

Technological innovation at the service of customers

- Coated on the high quality float glass from Saint-gobain, Taiwan glass. Mirror-grade quality.
- Double coated, water-proof paint , Grey paint, bronze paint, or grey paint available (Italy Fenzi paint),
- The plating layer is rigid and bonded, the protective layer is impregnable with good erosion-resistant (Thickness of layer is $\geq 42\mu\text{m}$)
- Actual and accurate reflection , higher Optical quality and durability (Reflective rate $\geq 89\%$)
- Copper and lead level is improbable-zero, environmentally friendly



- Easy processing and installation

Range

A wide range, meeting all requirements

- **Colours**

Noval aluminium mirror is available in clear, bronze, green, grey and pink. For certain special applications, for example daylighting devices, Noval aluminium mirror can be manufactured on extra-clear glass Diamant (for higher light reflectance)

- **Dimensions:**

1830*2440mm, 1524*2134mm, 1220*1830mm, 1600*2200mm, 2134*3300mm etc...

For more information on package, please refer to the Noval aluminum mirror specification:

Thickness(mm)	2	3	4	5	6	8
Clear	•	•	•	•	•	•
Bronze		•	•	•	•	•
Grey		•	•	•	•	•
Pink		•	•		•	
Green			•		•	
Black			•		•	•



Installation and fixing guidelines

Noval aluminium mirror can be held in place with screw fixing, channel glazing or adhesive glazing using double-sided adhesive pads, or glazing and silicone(neutral, alcohol-based or oxime-based only).

- Ensure there is sufficient space Between the supporting wall and the mirror to provide good ventilation (5mm space if the mirror is less than 1-metre tall , 10mm if the mirror is taller).
- When fitting a run of mirrors side by side, provide a minimum space of 2mm between them.
- Place the mirror against a supporting wall, which is clean , dry and stable (on old wallpaper, paint or plaster), free of acidic and harsh substances.

- **Glazing into a frame**

Care must be taken to ensure that the frame and glazing channels are completely Clean and dry .position the mirror on hard plastic blocks at least 3mm thick in order to lift The mirror and to avoid contact with water , which could collect in the frame.

- **Screw fixing**

Use screws of appropriate dimensions. Avoid direct contact between the glass and the metal By using plastic spacers and washers. attach the mirror by applying pressure ,but without placing any stresses on it .

- **Adhesive fixing**

The glue or adhesive strips used must be certified as being compatible with mirrors .they must always be applied vertically. Always follow the instructions of the adhesive manufacturer

Avoid positioning the mirror too close to a source of heat, such as lights and heating-elements .excessive direct heat could damage and break the mirror.

To avoid optical distortions the mirror must be installed absolutely flat, against a flat support surface, without any point-stresses

- **Cleaning**

Do not use harsh product(acidic, very alkaline or absolutely flat, Without any point –stresses. Ensure that no residue from the cleaning product is life around the edges.

- **External glazing**

Provide a mounting , which protects the rear surface and edges from the weather, and which permits the air to circulate behind the mirror.

- **Safety**

In all cases Noval aluminum mirror must be installed in accordance with current national regulations .certain locations may require a safety mirror .

safety mirror (*Noval aluminium mirror with safety film-backed mirror*)

- A special safety film can be applied to the back of the mirror. If the mirror is broken, the film holds the fragments of glass in place, thus reducing the risk of injury
- The performance of Noval aluminum mirror complies with standard BS 6206 and class 2B of draft standard prEN 12600 (please contact NOVAL GLASS for certification)
- Applications: Mirrored cupboard and wardrobe doors without adhesive glazing, public buildings, sports, centres, etc..
- Installation: If using adhesiving glazing, mechanical fixings must also be provided



Do you know ?

In all cases

- Ensure there is a space between the supporting wall and the mirror to provide good ventilations (5mm space is <1m tall, 10mm space if the mirror is>1m tall)
- When fitting several mirrors side by side, provide a minimum space of 1or 2 mm between them for spacers.
- Place the mirror against a support wall which is stable, clean and dry, and free from harsh substances
- To avoid optical distortion the mirror must be installed absolutely flat against a flat surface without any point stresses.
- Avoid positioning the mirror too close to a source of intense heat.

Noval aluminium mirror horizontal advanced production line







