

## NOVAL SILVER MIRROR® -----Ultra durable coating silver mirror

### Description

A new generation Mirror, produced using an environmentally friendly process. Noval silver mirror is a clear or tinted silvered glass of exceptionally high quality and durability. This improved manufacturing process also improves the optical quality of the product and significantly increases its longevity through a better resistance to corrosion.

- **Optimum performance**

The new Noval silver mirror provides superior optical quality With significantly enhanced durability

- **Concern for the environment**

Noval-evolution's manufacturing process is more environmentally friendly Lead content of paint <0.5%

- **All the benefits of a MIRROR**

Noval silver mirror transforms internal spaces with radiance and perspective.

### Applications

#### **Enhancing and volumising space**

With its ability to capture and reflect light, Noval silver mirror increases the feeling of space and enhances interiors:

- In any in the home, especially
- Apartment blocks: entrance halls, lifts or landing
- In shopping centers and retail stores
- In bars, restaurants, clubs, theatres and cinemas
- In public buildings, offices or clinics and hospitals.
- In sports centres, leisure facilities and dance studios

#### **Noval silver mirror can be used:**

- As framed or unframed mirrors
- For paneling on walls , doors or pillars
- In furniture (tables, cupboard door, shelves)
- For signage



For any application, Noval silver 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.....

## Advantages

### ***Technological innovation at the service of customers***

- ***Increased durability***

Noval silver mirror lasts at least three times longer in tests Simulating the natural ageing of mirrors. It substantially exceeds the durability requirement Defined in standard EN 1036 and ISO9001-2000

- ***Superior optical quality***

In the absence of copper, the occurrence of clouding is eliminated and haze is minimized

- ***More environmentally friendly***

There is a significant resulting from the manufacturing process, in particular Ammonia, (required for treating the copper),and during the downstream stages of transformation, thank to the protective paint being lead-free . Noval silver mirror is compatible with more silicones and adhesives than standard mirrors.

- ***Easy to install***

Noval silver mirror is compatible with more silicones and adhesive than standard mirrors. Improved resistance to aggressive agents in certain cleaning products.

- ***Easy to process***

The lacquer is harder, facilitating cutting and edgeworked.  
Readily available from stock  
Cost control, due to ease of installation.

## Copper free silver mirror description

### ***An innovative, environmentally friendly manufacturing process***

- Noval copper free silver mirror is manufactured without copper or lead using a new, more environmentally friendly industrial process.
- The mirror is created by depositing a layer of silver mirror on the glass, Which is then treated and covered with one or more coats of highly resistant Protective paint.
- Thanks to this new process, polluting waste products are reduced during waste products are reduced during
- Manufacturer (in particular ammonia), and the mirror is much easier to recycle.
- The manufacturing process also improves the optical qualities and durability of the mirror.
- All aspects of the performance of Noval Copper free silver mirror conform to standard EN 1036



## Range

### **A wide range, meeting all requirements**

- **Colours**

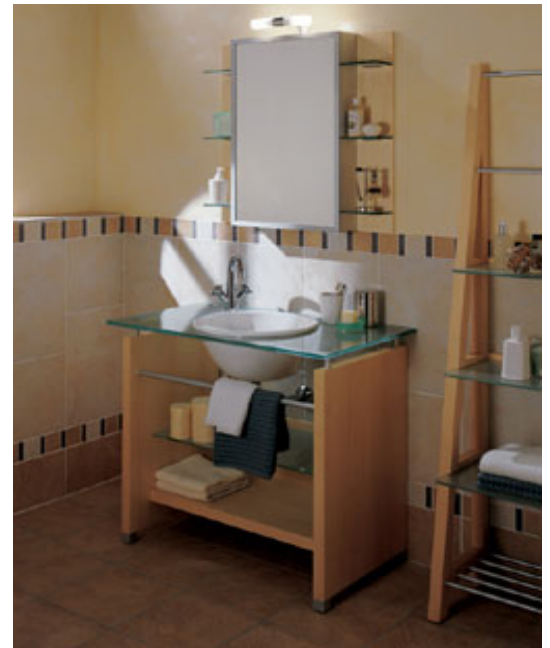
Noval silver mirror is available in clear, bronze, green, grey and pink. For certain special applications, for example daylighting devices, Noval silver mirror can be manufactured on extra-clear glass Diamant (for higher light reflectance)

- **Dimensions:**

3660/3300/3210/3050\*2250\*2134mm

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

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



## Processing

### **Adding value with edgeworking and customization**

- Noval silver mirror is suitable for cutting into regular and more unusual shapes.
- After cutting ,it can be drilled and edge-worked (bevel, arises ),like traditional mirrors.
- The front surface of the mirror can also be customized be means of sandblasting or engraving, to create patterns, logos, and graphics.



## Installation and fixing guidelines

Noval silver 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 to 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 left 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 silver mirror must be installed in accordance with current national regulations .certain locations may require a safety mirror .

**safety mirror (Noval silver 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 silver 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 1 or 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.

**For more information, pls contact Noval Glass:**

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