

Established 1913

Lenoir

Employee Owned

Mirror Company

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EFFECTIVE MIRROR FABRICATION

In an effort to assist our customers in having the most effective mirror fabrication, Lenoir Mirror is providing the following guidelines. While mirrors are used in construction, they are not like other construction materials. Mirrors are made from glass which is easily chipped and scratched. The mirror backing consists of silver and copper that can be chemically attacked if the protective paint backing is compromised. In the process of fabricating mirrors, care should be taken not to damage the paint backing thereby disrupting the bond between the protective paint and the metals.

- Storage – always keep mirror stored prior to fabrication in a dry environment. Do not store them outside or in closed containers.
- Fabrication – When using a dry or wet sand belt, avoid grinding the back, painted side. This side will be mounted against a surface so the sharp edge will not be exposed.
- Fabrication – when using an edge machine, grind as lightly as possible. The key is to encroach upon the paint and metals as little as possible.
- Fabrication – the PH of the coolant and water used in fabrication should be monitored and kept below 10.
- Fabrication – keep the edges clean and dry during fabrication. Contaminants can damage the exposed edges. Even some industrial cleaners are harmful. Clean gloves should be worn by Personnel handling the mirrors. Perspiration and skin oils can cause spoilage when they come in contact with raw mirror edges.
- Sealant – if edge sealant is used, apply it lightly. A heavy application of edge sealant can create tension pull on the paint backing and actually separate it from the metals.
- Transportation and Installation – keep the mirrors dry and keep them away from harsh chemicals.
- After installation, rooms should be kept air conditioned; especially in the summer months.