

# Guidelines

## STORAGE AND GLASS CLEANING

Although glass is hard, it can be fairly easily scratched. Also it is not resistant to all chemicals. If properly maintained glass can last almost forever in the state it was first supplied.

One of the most harmful materials to glass is glass itself. When it is stored prior to fabrications, it should be separated by an airspace, separator or paper. When removing from storage, avoid sliding one pane over another, as they can be scratched or abraded. Glass edges should not come into contact with the frame or other hard surfaces during installation. Use rolling blocks, as necessary, when moving glass.

During processing glass should be washed frequently to remove surface dirt and also to protect against staining. Staining occurs when sodium within the glass reacts with moisture in the air and sodium hydroxide is formed, this is corrosive to glass. Sodium hydroxide when left on the glass surface for a prolonged period of time causes permanent damage and may necessitate glass replacement. Damage can be easily avoided by removing the sodium hydroxide with water and glass-cleaning solutions, e.g. alcohol and water, or ammonia and water

### CLEANING OR WASHING SOLUTIONS

#### General Glass Cleaning

- Use water applied by a saturated cloth.
- Use pre-mixed glass-cleaning solutions. Follow all printed instructions.
- Immediately remove all pre-mixed cleaning solutions with a soft, dry cloth.
- Use 50-50 mixture of alcohol and water, or ammonia and water, followed by a warm rinse. Glass should be dried with a soft cloth or a chamois and cellulose sponge.

#### Precautions

- Avoid abrasive or high alkaline cleaners. Do not use petroleum products, i.e., gasoline, kerosene or lighter fluid.
- Hydrofluoric and phosphoric acid are corrosive to glass surface and should not be used.
- Protect the glass surface from over-spray or runoff from acids and cleaning agents used to clean metal framing, brick or masonry.
- Keep all cleaning solutions and other materials from contacting the edges of laminated glass or insulated glass.
- Do not use abrasive brushed, razor blades or other objects that may scratch the glass.
- Immediately remove any constructions materials, i.e., concrete, fireproofing, paints, labels and tapes.
- Clean a small area at a time and inspect the glass surface frequently to ensure that no glass damage has occurred.
- For most effective results, clean glass at a time with its surface is shaded. Avoid direct sunlight or hot glass.