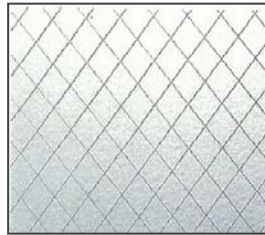fire-rated

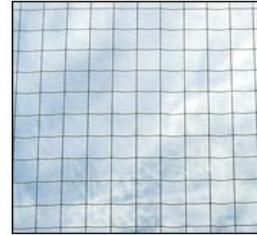# Wired Glass   Glass with excellent resistance to fire and shattering

When wired glass is made, lengths of wire or wire mesh are embedded in the glass during the manufacturing process. Wired glass containing wire mesh is manufactured primarily for its fire-resistance and shatter-resistant characteristics. Even when wired glass is broken, the wire embedded in the glass holds the broken fragments in place and prevents glass fallout.
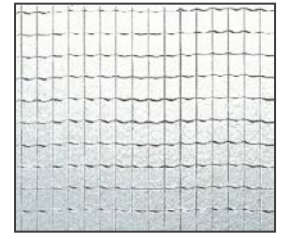

| Diamond [Clear] | Diamond [Obscure] | Crosswire [Clear] | Crosswire [Obscure] |

Benefits

- Prevents spread of flames and fire through opening
- Fire-rated for 45 minutes
- Prevents glass fall out when broken
- UL Classified per UL9 and UL10B [Max Area 1,296 sq. in.], UL 10C [Max Area 4,608 sq.. in. installed with Pemko FG3000™]

Fabrication Capabilities and Availability

- 1/4" [6mm] Nominal thickness
- Sizes: 78 x 100 Clear Crosswire and Diamond, 72 x 99 Obscure Crosswire and Diamond
- Available in Clear or Obscure, with Diamond or Square Pattern [1/2"]
- Monolithic or Insulated
- Annealed only

Labeling

- Each piece of wired glass should be permanently labeled with the UL logo and fire-rating.

Design and Installation

- Wired glass is not acceptable for applications requiring impact safety rating.
- Install this product using the glazing procedures for wired glass [See glazing diagram].
- Radiant heat from appliances, water heaters and stoves can cause thermal breakage.
- Thick curtains or furniture placed directly against the glass can cause heat to accumulate and result in thermal breakage. Take care to avoid this.
- The wire embedded in the glass is treated to prevent rusting, cut edges are not treated and can rust depending on circumstances, specifically the presence of moisture.
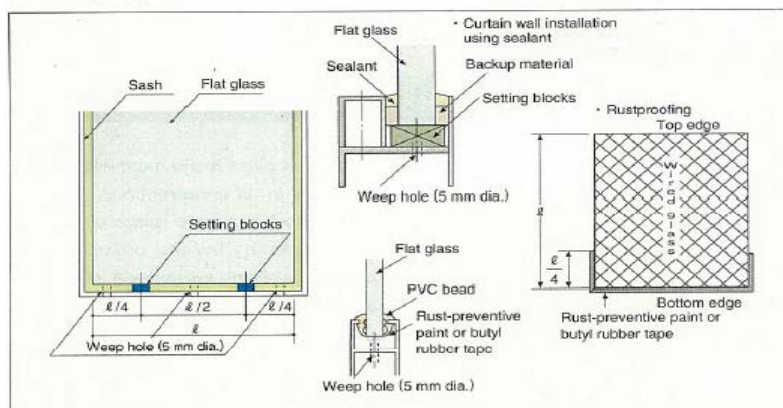
Storage and Handling

- Wired glass should be stored in dry place.
- Safety gloves should be worn to protect against glass and exposed wire on edges.
- All edges should be inspected thoroughly prior to installation and be free of observable defects or edge damage.

Installing

- Use only sashes provided with water drainage features as shown in the glazing diagram.
- Use a high-quality elastic sealant [non-acetic acid based] to ensure the glass edges are completely water-proofed.
- Use polyethylene foam or chloroprene rubber as the backup material.
- Use high-quality setting blocks of 90 Durometer, Shore A, in hardness.
- PVC bead is not suitable to glazing wired glass as it does not ensure the edges are fully waterproofed.

Glazing Diagram

NOTE: To learn more about our complete offering of fire-rated products visit firesafe-glass.com