



ENGINEERS, DESIGNERS AND MANUFACTURERS OF X-RAY PROTECTION MATERIALS
"Established 1943"

RAY-BAR ENGINEERING CORPORATION

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Inspect glass from a distance of 10ft at a 90 degree angle to the specimen. Inspection should be carried out in natural daylight and in direct sunlight. The normal vision area does not include the 2" wide band around the perimeter of the unit.

If a pinhole is readily apparent, the following criteria is applicable:

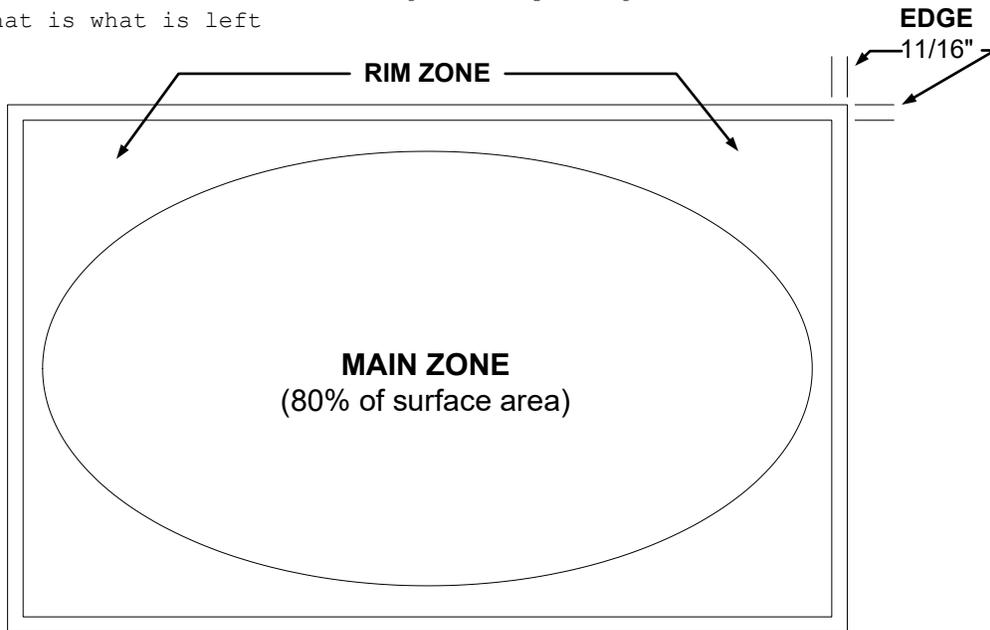
- Pinholes larger than 1/16" in diameter are not allowed in 80 percent of the glass area
- Pinholes larger than 1/8" are not allowed in the outer 20 percent of the glass area
- No more than two readily apparent blemishes are allowed in a 3" diameter circle and no more than five readily apparent blemishes are allowed in a 12" diameter circle

If a scratch is readily apparent, the following criteria is applicable

- Scratches up to 2" are allowed in 80 percent of the central glass area
- Scratches up to 3" are allowed in the outer area
- Concentrated scratches or abraded are not allowed

When inspecting glass, the surface of it should be divided into three zones.

- The Edge is the area from the edge to 11/16" in
- The Main zone is an oval in the center of the glass comprising 80% of the surface
- The Rim zone is what is what is left



When inspecting a piece of glass, you should be standing 10 feet from the surface of the glass and at a 90 degree angle perpendicular to the glass surface.
(Inspection Guidelines Similar to ASTM Standard C 1376)

ALL X-RAY LEAD GLASS HAS A YELLOW HUE DUE TO ITS RADIATION PROTECTIVE CHARACTERISTICS AND HEAVY METAL OXIDE CONTENT.

- **IMPACT RESISTANT SAFETY GLASS** is required in door vision lites and windows that occur within 24" of door openings or within 36" of the floor as required per IBC 2406 Safety Glazing
- Ray-Bar Safety Glass is NOT tempered
- Ray-Bar X-Ray Safety Glass is NOT fire-rated
- Due to its soft surface, Safety Glass have some slight optical anomalies such as hairline scratches, minor optical blemishes, "watery" distortion or minor trapped debris or bubbles due to the safety coating / treatment process.
- **PLEASE NOTE:** Ray-Bar Safety Glass is not impact proof, shatter proof or scratch resistant.
- All safety film or "NT" products may have minor debris and scratch easily