

GLASS INSPECTION STANDARDS FOR FILMED GLASS

THOROUGHLY INSPECT THIS SHIPMENT AS SOON AS IT IS RECEIVED AND NOTE DAMAGE OR SHORTAGE IN THIS SHIPMENT BEFORE DRIVER LEAVES. See "Shipping Claim Procedure" on the outside of this package or on our website. If any concealed loss or damage is discovered, notify Customer Service within (2) two days and request an immediate inspection.

Applied film on flat glass is not expected to have the same level of visual quality as standard float glass, so we are providing the following information to assist you in inspecting glazing from Air Louvers. The glass we provide meets the standards of ASTM standard specifications* C1036, which provide guidelines for inspection of glass and acceptable types of blemishes in Q3 and Q4 filmed glass.

How to Inspect Glass:

The glass is to be viewed from a distance of 10ft at a 90 degree viewing angle to the specimen. Inspection should be carried out in natural daylight and not in direct sunlight with 20/20 vision (naked eye or corrected). Normal vision area excludes the 2" wide band around the perimeter of the unit.

Pinholes (If a pinhole is readily apparent, the following criteria apply):

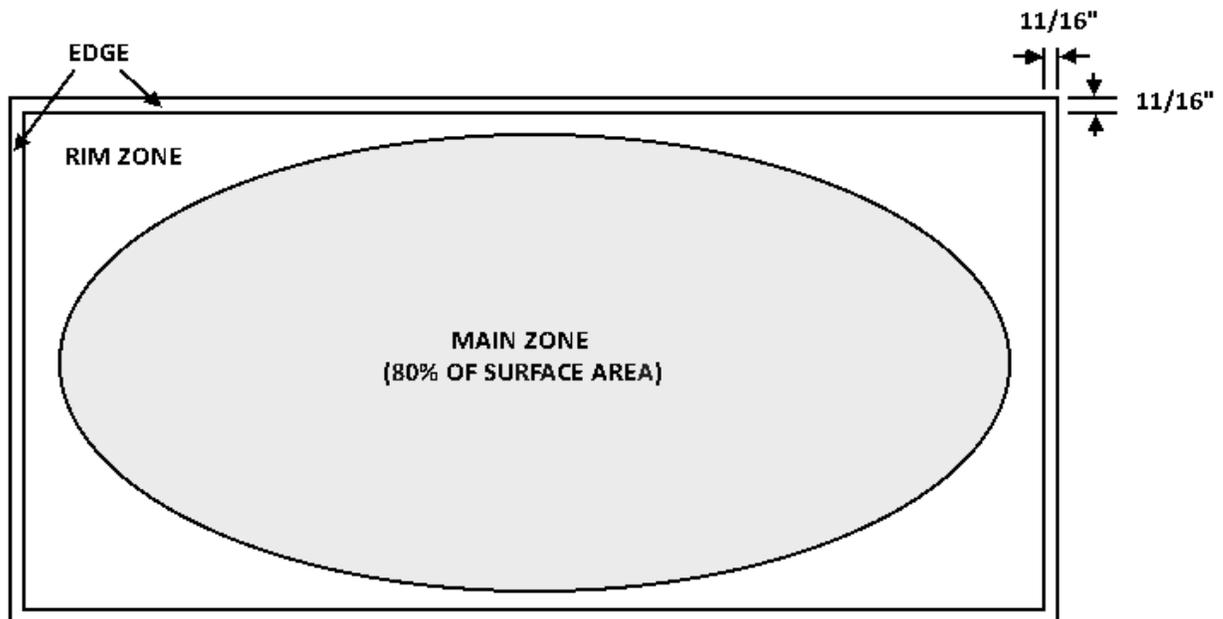
- Pinholes larger than 1/16" in diameter are not allowed in the Main Zone of the glass area.
- Pinholes larger than 1/8" in diameter are not allowed in the Rim Zone of the glass area.
- No more than two readily apparent blemishes are allowed in a 3" diameter circle and not more than five readily apparent blemishes are allowed in a 12" diameter circle.

Scratches & Chips (If a scratch is readily apparent, the following criteria apply):

- Scratches up to 2" are allowed in the Main Zone of the glass area.
- Scratches up to 3" are allowed in the Rim Zone of the glass area.
- Concentrated scratches or abraded areas are not allowed.
- Superficial chips smaller than 51% of the glass thickness are acceptable, however, deeper chips (with V profile) are not acceptable.

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

1. The Edge is the area from the edge to 11/16" in.
2. The Main Zone is an oval in the center of the glass comprising 80% of the glass surface.
3. The Rim Zone is the area that is left.



*GLASS INSPECTION STANDARD SPECIFICATIONS

ASTM C1036-11e1: Flat Glass
ASTM C1048-12e1: Heat Strengthened and Fully Tempered Flat Glass
ASTM C1172: Laminated Architectural Flat Glass

HEADQUARTERS & MFG.: 4450 WEST 78TH ST CIRCLE, BLOOMINGTON, MN 55435-5416 PH: 800-554-6077 FAX: 952-835-2218

EMAIL: SALES@ACTIVARCPG.COM FOR THE MOST CURRENT INFORMATION SEE: WWW.ACTIVARCPG.COM 9/192014

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