



Quality Guidelines

Visual Inspection

For

Coated & Non-Coated Glass

Quality Glass & Mirror complies with the following ASTM Standards Specifications. All standards are for 1/4" or less glass thicker than 1/4" and less than or equal to 1/2" may contain proportionally more and larger blemished based on Quality-Q3. These specifications are based on monolithic single glass; multiple lites as in insulated glass and/or insulated glass with laminated glass; would qualify each lite for its appropriate specification or specifications and may contain proportionally more and larger blemishes. Multi-layers of heat-treated glass will result in a considerable higher level of roll wave distortion.

FLAT GLASS

ASTM C- 1376-01 Standard Specification for Flat Glass

COATED GLASS

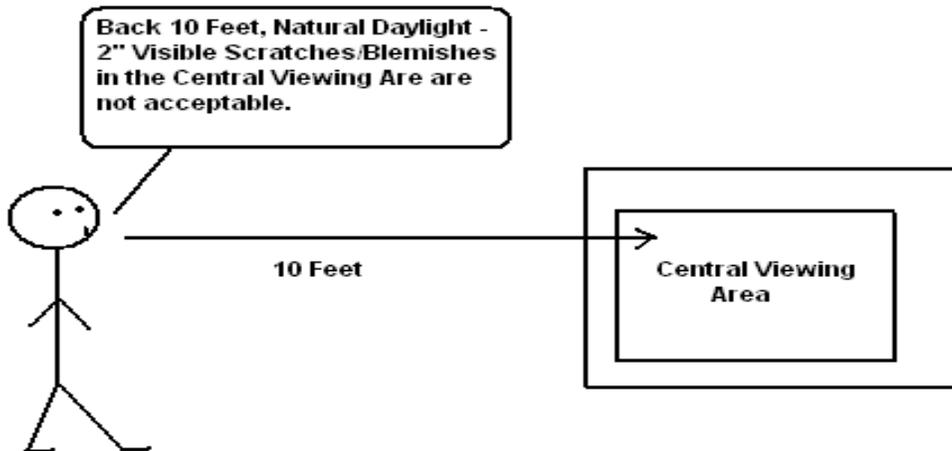
ASTM C- 1048-04 Standard Specifications for Heat-Treated Flat Glass --- Kind HS, Kind FT Coated and Uncoated Glass

LAMINATED GLASS

ASTM C- 1172-03 Standard Specifications for Laminated Architectural Flat Glass

VISUAL INSPECTION FOR COATED & UNCOATED VISION GLASS

When viewed "Looking through the glass" and perpendicular to the surface using daylight (without direct sunlight), or with background lighting that simulates daylight, visible scratches or blemished greater than 2", detectable from 10 feet in the Central Viewing Area shall not be allowed. The Central Viewing Area is defined by 80% of the length and 80% of the width dimensions centered on a lite of glass. The remaining area is considered the outer area. Pinholes 1/16" max is allowed in the Central Viewing area and 3/32" in the Outer. No more than two readily apparent blemished are allowed in a 3" diameter circle, and no more than five are allowed in a 12-in. circle.



Glass Edge Tolerance:

Laminated Glass Offset + 1/4" / - 1/8"
Shell Chips Less than 1/4" Allowed

Dimensional Tolerances:

Single Glass (up to 1/4") - (+/-) 1/16"
Single Glass (3/8" & 1/2") (+/-) 1/8"
Laminated Glass +1/4" / - 1/8"
Insulated Glass (+/-) 1/8"
Polished Glass 1/8 - 1/4" (+/-) 1/16"
Polished Glass 3/8 - 1/2" (+/-) 1/8"

Insulated Glass Tolerances:

Insulated Spacer Sightline 1/2" + 1/16"
Insulated Sealant Sightline 9/16" + 1/16"
Insulated Glass Offset (+/-) 1/8"
Muntin Alignment (+/-) 1/4"
Insulated Glass Thickness (-) 1/16" (+) 1/32"