

Note: Any verbiage written in red needs to be specified. All other options should be deleted

KYLER 100 SERIES INSULATED BLIND SPECIFICATION

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Kyler 100 Series insulated glass blind

- B. Related Sections:

- 1. Division 8 Section “Steel Doors and Frames” for hollow metal frames.
 - 2. Division 8 Section “Glazing” for standard glass products.

1.3 DEFINITIONS

- A. Glazing Manufacturers: Firms that produce primary glass, as defined in referenced glazing publications.
- B. Interspace: Air spacer between lites of insulating glass blind.

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Include elevations, edge details, hardware, and attachments to other work.
- C. Samples: For the following products, in the form of 15 x 18 -inch square Samples for glass.
- D. Warranties: Sample of special warranties.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified installer who employs glass installers for this Product who are certified under the National Glass Association’s Certified Glass Installer Program. Insulated glass blind Manufacturer’s installation instructions must be reviewed prior to ordering or installing product.
- B. Source Limitations for Insulating Glass Blind Systems: Obtain insulating glass blinds from single source from single manufacturer.

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- C. Glazing Publications: Comply with the following published recommendations:
 - 1. GANA's "Glazing Manual" unless more stringent requirements are indicated. Refer to this publication for definitions of glass and glazing terms not otherwise defined in this Section or in referenced standards.
 - D. Safety Glazing Products: For Tempered insulating glass blind systems, provide products complying with testing requirements in 16 CFR 1201 for Category II materials.
 - E. Safety Glazing Labeling: Where safety glazing labeling is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or the manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.
- 1.6 DELIVERY, STORAGE, AND HANDLING
- A. Insulated glass blinds to be stored in a climate controlled environment at all times. Prevent damage caused by temperature changes (condensation) and direct exposure to sun light or moisture.
- 1.7 PROJECT CONDITIONS
- A. Environmental Limitations: Insulated glass blinds are intended for interior use only. Installation in exterior applications voids manufacturer's warranty.
- 1.8 COORDINATION
- A. Manufacturer's installation instructions must be reviewed prior to ordering or installing product. Examine framing details for insulating glass blind for compliance with insulated glass blind manufacture's installation instructions. Insure installation tolerances, minimum required face and edge clearances, tilt control knob location(s), and adequate clearance for tilt control cable routing thru framing members. Failure to comply with manufacturer's installation instructions may void manufacturer's warranty.
- 1.9 WARRANTY
- A. Manufacturer's Warranty on insulated glass blinds: Manufacturer agrees to replace insulated glass blind units that fail to perform within the specified warranty period .However, operational deficiencies as a result of improper installation, or failure to install product per manufacturer's installation instructions is not covered under warranty.
 - 1. Warranty Period: 5 years from date of Substantial Completion.

PART 2 – PRODUCTS

2.1 KYLER 100 SERIES INSULATED GLASS BLINDS

- A. Kyler 100 series Insulating Glass blinds: Mechanically driven tilt micro-blind installed between two lites of glass, with internally mounted control assembly coupled to an external tilt operator(s) which in turn controls the tilt function of the internal blind slats.
 - 1. Air Space: 3/4 inch
 - 2. Tilt Operator Type: Angled Knob
 - 3. Specify:
 - a. Single control – allows tilt only operation from one side of the unit
 - b. Dual control – allows tilt only operation from both sides of the unit

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4. Tilt Operator Location as specified by Architect; **specify desired location on vertical side(s) of unit.**
- B. Horizontal Louver Blinds, Aluminum Slats:
1. Slats: 6010-T8 aluminum alloy, 0.625-inch wide by 0.008-inch thick, with crowned profile.
 2. Spacing: Manufacturer's standard.
 3. Finish: One color, baked polyester paint ultra-violet-resistant finish.
 4. Head and Bottom Rails: 6063-T5 aluminum alloy, painted in coordinated color with slats.
 5. Ladder Tapes and Plisse Cords: Thermally-fixed polyester, UV resistant, and evenly spaced to prevent long-term slat sag.
 6. Tilt Operating Mechanism: Injected molded glass filled nylon mounted to a solid brass core. Internal mechanism is comprised of solid brass and aluminum. Color to be black.
 7. Colors, Textures, Patterns, and Gloss: **Select from Manufacturer's standard color options:**
 - a. **#102 White**
 - b. **#149 Almond**
 - c. **#69 Tan**
 - d. **#3000 Metallic Gold**
 - e. **#0157 Silver**
- C. Insulating Glass Blinds: Factory assembled units consisting of two lites of tempered glass separated by a 3/4 inch clear anodized air spacer, with an internal blind.
1. Heat-Treated Float Glass: ASTM C 1048; Type 1; Quality-Q3; Class 1 (clear) unless otherwise indicated; of kind and condition indicated.
 - a. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.
 - b. All glass to be fully tempered float glass
 2. Glass Thickness: 3/16 inch tempered minimum. Provide glazing in thicknesses/type as needed to comply with requirements as indicated.
 3. Overall Thickness of Insulated Glass Blind System Unit: 1 1/8 inches minimum.
 4. Sealing System: Seal with manufacturer's standard sealant.
 5. Air spacer: Manufacturer's standard clear anodized spacer material and construction.
 6. Desiccant: Molecular sieve or silica gel, or blend of both.
- D. Basis-of-Design Manufacturer: Subject to compliance with requirements, provide:
- Kyler Industries
192 East 48th Street
Holland, MI 49423
(616) 392-1042 (voice)
(616) 392-3778 (fax)
www.Kyler-Industries.com
- E. Miscellaneous Glazing Materials: Refer to Division 8 Section "Glazing".
- 2.2 FABRICATION
- A. Tolerances:
1. Space of approximately 1/8 inch on each side between slats and air spacer, for free movement of system and allowing thermal transmission of aluminum slats.
 2. Blind Width Tolerance: Plus zero; minus 1/16 inch.
 3. Blind Height Tolerance: Plus 3/8 inch; minus zero. Bottom rail engages pins in vertical air spacer with some slack and is slightly above bottom air spacer.

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PART 3 – EXECUTION

3.1 EXAMINATION

- A. Manufacturer's installation instructions must be reviewed prior to ordering or installing product. Examine framing details for insulating glass blind for compliance with insulated glass blind manufacture's written installation instructions. Insure installation tolerances, minimum required face and edge clearances, tilt control knob mounting location(s), and adequate clearance for tilt control cable routing thru framing members. Failure to comply with manufacturer's installation/ordering instructions may void manufacturer's warranty
- B. Proceed with installation only after satisfactory conditions have been verified.

3.2 PREPARATION

- A. Clean glazing channels and other framing members receiving insulating glass blinds immediately before glazing. Remove coatings not firmly bonded to substrates.

3.3 INSTALLATION

- A. Install insulating glass blind system according to manufacturer's written instructions.
- B. Refer to Division 8 Section "Glazing" for installation of insulating glass blind system units

3.4 ADJUSTING, CLEANING, AND PROTECTIONS

- A. Clean glass and perimeter frame of insulated glass blind unit.
 - 1. Remove nonpermanent labels, and clean surfaces.
- B. Protect insulating glass blind units from damage immediately after installation by attaching crossed streamers to framing held away from glazing unit. Do not apply markers to security glazing surfaces.
- C. Protect insulating glass blind units from contact with contaminating substances resulting from construction operations, including weld splatter. If, despite such protection, contaminating substances do come into contact with insulating glass blind units, remove substances immediately.
- D. Remove and replace insulating glass blind units that are broken, chipped, cracked, or abraded or that are damaged from natural causes, accidents, or vandalism during construction period.
- E. Wash insulating glass blind units on exposed surfaces in each area of Project not more than four days before date scheduled for inspections that establish date of Substantial Completion.

END OF SECTION 08813