



ANY WARRANTY CLAIMS MUST BE DIRECTED IN WRITING TO:

Manufactured by:



1503 W SAN PEDRO ST. GILBERT, AZ 85233

PHONE: 480-892-2600 FAX: 480-892-0951 INFO@HERITAGEWINDOWS.COM


GLASS MATERIAL SEAL WARRANTY

TYPE OR PRODUCT	WARRANTY PERIOD	WAR. TYPE	WARRANTY SCOPE	EXCEPTIONS	REMEDY
INSULATING GLASS VERTICAL GLAZING 1 LITE WITH OR WITHOUT INTERNAL AND/OR EXTERNAL MUNTINS UP TO 60 SQ. FT ANNEALED GLASS UP TO 48 SQ. FT TEMPERED GLASS	10 years from date of sale 10 years from date of sale	Limited	Each unit is warranted against material obstruction of vision resulting from dust collection or film formation on internal glass surfaces due to failure of the hermetic seal because of defective materials or workmanship.	Tashco assumes no responsibility for defects resulting from: *Glass breakage *Faulty building construction or design *Use in sloped glazing and roof areas *Use in high steam, moisture heat areas *Uneven solar heat build up on glass surface *Faulty installation, handling of glass and windows *Scratches on surface #1 and #4 *Any type of tinting film on any surface.	*In the event that a unit fails to conform to this warranty, Tashco will replace said unit without charge F.O.B. factory Gilbert, AZ. The warranty on replacement will not extend beyond the remainder of the warranty period for the original unit. *The purchaser's exclusive remedy is limited to the legal remedies described in this warranty. Tashco will not be liable for any other expenses involved in removal of the defective unit, installation of replacement unit, or any other incidental or consequential damages. *Tashco makes no other warranty, either express or implied, regarding the product, merchantability, or fitness for a particular purpose. No employee, representative or distributor of Tashco is authorized to modify this warranty.
INSULATING GLASS VERTICAL GLAZING 1 LITE LOW E GLASS WITH OR WITHOUT INT. & EXT. MUNTINS UP TO 60 SQ. FT ANNEALED UP TO 48 SQ. FT. TEMPERED GLASS	10 years from date of sale 5 years from date of sale	Limited	Low E coated surface corrosion as per ASTM C-1376-97 specs.	Tashco assumes no responsibility for defects resulting from: *Glass breakage *Faulty building construction or design *Use in sloped glazing and roof areas *Use in high steam, moisture heat areas *Uneven solar heat build up on glass surface *Faulty installation, handling of glass and windows *Scratches on surface #1 and #4 *Any type of tinting film on any surface.	*In the event that a unit fails to conform to this warranty, Tashco will replace said unit without charge F.O.B. factory Gilbert, AZ. The warranty on replacement will not extend beyond the remainder of the warranty period for the original unit. *The purchaser's exclusive remedy is limited to the legal remedies described in this warranty. Tashco will not be liable for any other expenses involved in removal of the defective unit, installation of replacement unit, or any other incidental or consequential damages. *Tashco makes no other warranty, either express or implied, regarding the product, merchantability, or fitness for a particular purpose. No employee, representative or distributor of Tashco is authorized to modify this warranty.

*NON PAYMENT FOR PRODUCT OR LABOR VOIDS ALL WARRANTIES

*TASHCO RESERVES THE RIGHT TO CHANGE WARRANTY CONDITIONS ANY TIME BEFORE THE ORDER/CONTRACT.

GLASS MATERIAL WARRANTY

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TASHCO INDUSTRIES INC.
 1503 W. San Pedro St.
 Gilbert, AZ 85233 e-mail: info@heritagewindows.com
 Phone: (480) 892-2600 Fax: (480) 892-0951

TYPE OR PRODUCT	WARRANTY PERIOD	WAR. TYPE	WARRANTY SCOPE	EXCEPTIONS	REMEDY
TEMPERED GLASS ALL GLAZING ANY SQ. FT SINGLE/DOUBLE GLAZED	None	None	THERE IS NO WARRANTY AGAINST THE SHATTERING OF TEMPERED OR SPANDREL GLASS.	No exceptions	*Tashco makes no warranty.
ANNEALED GLASS ALL GLAZING ANY SQ. FT SINGLE/DOUBLE GLAZED	None	None	THERE IS NO WARRANTY AGAINST THE BREAKAGE OF ANNEALED GLASS.	No exceptions	*Tashco makes no warranty.
LAMINATED GLASS ANY SQ. FT. 10, 12, 18mm THICKNESS SINGLE OR DOUBLE GLAZED	None	Limited	THERE IS NO WARRANTY AGAINST THE BREAKAGE OF LAMINATED GLASS.	No exceptions	*Tashco makes no warranty.

*NON PAYMENT FOR PRODUCT OR LABOR VOIDS ALL WARRANTIES
 *TASHCO RESERVES THE RIGHT TO CHANGE WARRANTY CONDITIONS ANY TIME BEFORE THE ORDER/CONTRACT.

HARDWARE MATERIAL WARRANTY

Any warranty claims must be directed in writing to: →

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1503 W. San Pedro St.
Gilbert, AZ 85233 e-mail: info@heritagewindows.com
Phone: (480) 892-2600 Fax: (480) 892-0951

TYPE OR PRODUCT	WARRANTY PERIOD	WAR. TYPE	WARRANTY SCOPE	EXCEPTIONS	REMEDY
HARDWARE ON WINDOWS AND DOORS INCLUDING EXTERNALLY APPLIED MUNTINS	2 years from date of sale	Limited	Each unit is warranted against the improper, non-functional working of hardware parts because of defective materials or workmanship.	<p>Tashco assumes no responsibility for defects resulting from:</p> <ul style="list-style-type: none"> *Improper use *Structural settlement of the building * There is no warranty if another trade or supplier worked on the hardware or components of Heritage product. * If there is no finished caulking between Tashco products and returned stucco, stone, or wood, and hardware is subjected to water, there is no warranty. 	<p>*In the event that a unit fails to conform to this warranty, Tashco will replace said unit without charge F.O.B. factory Gilbert, AZ. The warranty on replacement will not extend beyond the remainder of the warranty period for the original unit.</p> <p>*The purchaser's exclusive remedy is limited to the legal remedies described in this warranty. Tashco will not be liable for any other expenses involved in removal of the defective unit, installation of replacement unit, or any other incidental or consequential damages.</p> <p>*Tashco makes no other warranty, either express or implied, regarding the product, merchantability, or fitness for a particular purpose. No employee, representative or distributor of Tashco is authorized to modify this warranty.</p>

INSTALLATION MATERIAL WARRANTY

Any inquiries on these warranties or defective items should be directed to:

TASHCO INDUSTRIES INC.
1503 W. San Pedro St.
Gilbert, AZ 85233 e-mail: info@heritagewindows.com
Phone: (480) 892-2600 Fax: (480) 892-0951

TYPE OR PRODUCT	WARRANTY PERIOD	WAR. TYPE	WARRANTY SCOPE	EXCEPTIONS	REMEDY
FIELD INSTALLATION LABOR ON HARDWARE AND INSULATED GLASS	2 years from date of original installation	Limited	Tashco installation is warranted if we installed the product and jobsite is in Maricopa County, Arizona	<p>Tashco assumes no responsibility for defects resulting from:</p> <ul style="list-style-type: none"> *Improper use *Glass breakage *Faulty building construction or design *Uneven solar heat build up on glass surface *Movement of structure that our products are fastened to. * No responsibility if any other trade/supplier worked on products. * If Tashco-installed sliding glass door panels are removed by others to install closing hardware, or for any other reason, there is no warranty on the performance and functioning of product. 	<p>*In the event that a unit fails to conform to this warranty, Tashco will replace said unit without charge F.O.B. factory Gilbert, AZ. The warranty on replacement will not extend beyond the remainder of the warranty period for the original unit.</p> <p>*The purchaser's exclusive remedy is limited to the legal remedies described in this warranty. Tashco will not be liable for any other expenses involved in removal of the defective unit, installation of replacement unit, or any other incidental or consequential damages.</p> <p>*Tashco makes no other warranty, either express or implied, regarding the product, merchantability, or fitness for a particular purpose. No employee, representative or distributor of Tashco is authorized to modify this warranty.</p>

GLASS SPECIFICATIONS

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GENERAL The glass which is shown on our proposals shall be HERITAGE DG (Double glazed) manufactured by Tashco Industries Inc. of Gilbert, Arizona.

MATERIAL Glass shall be of the following types, classes, styles, forms, qualities and finishes. It will originate from a float process.

- 1- Quality - it is q5-GlazingB. This quality level is intended for general glazing applications that have lesser aesthetic demands than mirror and glazing select qualities.
- 2- Blemishes - Blemish tolerances will be different on Central and Outer areas. Central area is considered to form an oval or circle centered on the lite whose axes or diameters do not exceed 50% of the overall dimension. The remaining area is considered the Outer area. Table 1 summarizes allowable blemishes:

HARDWARE AND SEALED GLASS CONSTRUCTION

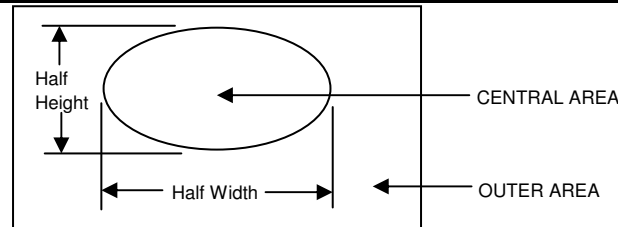
The glass is cut by a robotic X, Y, and Z cutting system. Spacers are steel whose conductivity is close to glass. On square and some of the out of square products, all corners will be bent by robotic machine and spacer connectors will be hardened steel which is special stamped. The desiccant will be filled by automatic filling machine which keeps the desiccant sealed in its filling process. The filling hole will be automatically sealed after the filling process. The primary seal is PIB (Poly-Iso-Butylene) and is extruded on both shoulders of the spacer by a CNC controlled machine. The spacers are manually installed to the glass on a vertical system. A flat press presses the glass against PIB and spacer. The secondary seal is 2-part silicon and is applied manually.

FINISH and DIMENSIONAL TOLERANCES

The finish on the spacer can be galvanized, dyed, painted or plated depending on the availability of materials at the time of fabrication. Due to the technological nature of the double seal process, PIB will be visible on the spacer up to 1/8". The spacer setback will have a variance of up to 3/8" in straightness due to steel's resistance to bent corners or shapes. As a result of this, the spacer shoulder may show up to 3/16" in the sightline when the unit is assembled in the frame.

TABLE 1 Maximum Allowable Blemishes for Thicknesses 6.0mm(1/4".in.)or less.

Blemishes	Central	Outer
Scratches and Rubs- Intensity of Light in Viewing (When looking through the glass and perpendicular to it using daylight without direct sunlight or with background light suitable for observing each type of blemish)	Medium	Medium
Scratches and Rubs- Distance from glass (Blemishes shall not be detectable at distances grater than)	132"	132"
Crush - Maximum Length	1/2"	1/2"
Knots, Dirt and Stones	1/16"	1/8"



TEMPERED and OVERSIZED GLASS

Tempered glass is supplied according to ASTM C-1048-90 specs and will have bows and warp tolerances. HERITAGE supplies Double or Single Glazed, Annealed, Tempered and Laminated plan. Double glazed annealed, laminated glass over 60 square feet and tempered glass over 50 square feet will not have any warranty on the seal life, glass surface, vision quality, coating quality and

Note: 1) The above specs are from ASTM C-1036-91. For further details like shadowgraph readings refer to above

2) Glass greater than 6.0mm (1/4") in thickness may contain proportionally more and larger blemishes. There is no ASTM Spec on such glass.

3) Glass surface quality on 10,12, 18 mm thickness is determined by the plan fabricator's specs.

