

## GRAHAM GMD LIMITED WARRANTY

Graham WARRANTS ALL GMD DOORS SOLD UNDER THIS WARRANTY (except those expressly excluded from this warranty), to be of good material and workmanship at the time of shipment, and to be free of defects which would render said doors unserviceable or unfit for their ordinary recommended use for the time periods listed below.

This warranty extends only to the first purchaser of said door(s) and may not be enforced by any person to whom the said door(s) are transferred. Claims made under this manufacturer's warranty must be made by the first purchaser on behalf of those to whom he transferred ownership.

The period of warranty coverage extends from the date of shipment by Graham through the periods listed below. Graham will at its option either 1) refund the price received by the manufacturer for, or 2) repair or, 3) replace. **THIS WARRANTY DOES NOT PROVIDE REMOVAL, REHANGING, OR RE-FINISHING COSTS.** However, written notice of any claim under this warranty must be given to the manufacturer promptly when discovered.

In the case of a defect reasonably discoverable by visual inspection of each door upon receipt of the shipment from Graham, notice must be given within thirty days thereafter and prior to treatment or hanging in any manner.

**Graham shall not be liable for doors repaired or replaced without its prior consent.** Estimates of the repair or replacement costs must be submitted and approved by Graham prior to the work commencing.

### TELEGRAPH AND WARP

**"Warp is any distortion in the door itself and does not refer to the relationship of the door to the frame or jamb in which it is hung."** The term "warp" shall include bow, cup, or twist. The following method will be used to measure the amount of warp present in a door.

Warp shall be measured by placing a straight-edge, taut wire or string on the suspected concave face of the door at any angle (horizontally, vertically, or diagonally), with the door in its installed position. The measurement of the warp shall be made at the point of maximum distance between the bottom of the straight-edge, taut wire, or string and the face of the door.

1. Action on any claim for warp or telegraph after installation may be deferred, at the option of the manufacturer, for a period of 12 months from the date of complaint. During this period doors must remain hung in the original installation to permit conditioning to temperature and humidity.
2. Warp shall not be considered a defect unless it exceeds 1/4 inch in any 3'6" x 7'0" section of the door.
3. Stile, rail and core show-through (telegraphing) on flush doors shall not be considered a defect unless it exceeds 1/100 inch in any 3-inch span.
4. Warp and telegraph shall not be considered defects in any event if the door/doors are not properly finished according to the "Storage, Handling, Finishing, Installation and Maintenance" instructions appearing on the reverse side of this warranty.

### ALLOWABLE TOLERANCES

1. Sizing—Length  $\pm$  1/16 inch; Thickness  $\pm$  1/16 inch; Standard width  $\pm$  1/16 inch; Prefit width  $\pm$  1/32 inch.
2. Squareness—Diagonal measurement difference not to exceed 1/8 inch.
3. Hardware Preparation—Hinge mortise  $\pm$  1/32 inch; Lock preparation + 1/32 -0 inch; Window & Louver  $\pm$  1/16 inch of spec; Hinge depth + 15/1000 inch.

### MATTERS EXCLUDED FROM THIS WARRANTY

1. Unsatisfactory service or appearance caused by failure to follow recommended Storage, Handling, Finishing, Installation and Maintenance Instructions appearing on the reverse side of this warranty.
2. The performance of doors which are improperly field finished is not warranted in any event.
3. The appearance of field finished doors is not warranted in any event.
4. Natural variations in the color or texture of wood as specified by species and grade are not considered defects.
5. The warranty against warp does not apply to the following:
  - a) All 1 3/8 inch thick doors which are wider than 3'0" or higher than 7'0".
  - b) All doors with face veneers of differing species, or finishes/paints which differ from face to face.
  - c) Doors which are installed improperly.
  - d) Doors which are implemented in improper applications, i.e. interior door in exterior application.
6. This warranty does not cover:
  - a) Flush doors with cutouts for lights and/or louvers any edge of which is nearer than 5 inches\* to any edge of the door.
  - b) Flush doors with cutout areas exceeding 40% of the area of the face of the door.
  - c) Flush doors with cutouts exceeding one-half of the height of the door.
  - d) All doors having less than 5 inches\* between cutouts for lights, unit locks, louvers, and other hardware cutouts.

**\*Machining specifications for labeled fire doors must be followed and may vary from these minimum dimensions.**
7. Exterior applications—all hardboard faced doors, mineral core fire rated doors, veneered edge banded doors, or doors not manufactured using Type 1 adhesive bonds between all plies of construction.

*Graham sole responsibility under this warranty is as stated herein, and it shall not be liable for consequential, indirect or incidental damages, or for any amount in excess of its price for the shipment involved whether the claim is for breach of warranty or negligence. There are no warranties expressed, written, or implied as to merchantability or fitness for a particular purpose except those stated herein.*

### DURATION OF GMD LIMITED WARRANTY

GMC SYMBOL	DOOR TYPE	INTERIOR DURATION	EXTERIOR DURATION*
GMD-PC	Particleboard Core	Lifetime	1 Year
GMD-HC	Standard Hollow Core	5 Year	1 Year

*\* Exterior duration warranty is valid only if doors ordered, utilize skins with exterior glue, type 1 exterior glue bonding face to core, and are properly installed utilizing appropriate flashing and finished per A.W.I. quality standards sec. 1300-G-19.*

*Lifetime warranty applies to the original installation only.*

## STORAGE, HANDLING, FINISHING, INSTALLATION AND MAINTENANCE INSTRUCTIONS

### STORAGE AND HANDLING

1. Store doors in a flat, level, horizontal position supported by at least 3 full width 2 X 4's.
2. Handle doors with clean hands or while wearing clean gloves.
3. Do not drag doors across one another, lift and carry them.
4. Store doors in clean surroundings protected from dirt, abuse, excess moisture or dryness, extremes of temperature, or direct sunlight.
5. If doors are covered to protect them be sure to allow circulation.
6. Do not deliver doors to the jobsite until construction materials i.e., plaster, concrete, paint, etc. are dry and temperature and humidity are controlled and normal.
7. Doors should be conditioned to the average prevailing humidity of the locality and jobsite prior to hanging.
8. Certain species of wood, particularly oak, contain chemicals which react unfavorably with ferrous metals causing dark blue/black stains. Avoid contact with steel, steel products, filings, etc.

### PREPARATION FOR FINISHING

1. Prior to finishing insure that the building atmosphere is dried to a normal, interior relative humidity of 25% to 55%, 50-90 degrees F per WDMA I.S.1A
2. Sanding and Finishing must be done with the door in a horizontal position.
3. Prior to finishing remove all handling marks, raised grain, and other undesirable blemishes by completely hand block sanding all surfaces with a 100 to 150 fine grit abrasive. Do not use steel wool. Do not spot sand. Failure to properly prepare the surface will result in blotchy appearance.
4. When possible, the species finish combination should be tested prior to finishing the doors. Notify the finish supplier and door supplier immediately if any undesirable reaction is noticed. Do not continue with finishing until the problem is resolved.
5. In order not to induce warpage, avoid dark stains or dark colored paints on door surfaces exposed to direct sunlight.
6. To prevent blemish magnification, avoid extremely dark stains on light colored wood species.
7. Water based sealers or prime coats should not be used. Water based top coats should be used only over surfaces which have been completely sealed with a non-water based sealer or primer.
8. A first coat of thinned sanding sealer, followed by light block sanding, will minimize subsequent handling marks, and promote uniformity of subsequent stain coats.
9. High gloss finishes are not recommended.
10. Be sure the door surface is satisfactory before applying sealers, stains or topcoats.

### INSTALLATION

1. The utility or structural strength of the doors must not be impaired in fitting the door to the opening, preparation and application of hardware, preparation and application of lights, louvers, plant-ons or other detailing.
2. On all exterior and interior solid core doors, use a minimum of one hinge for each 30 inches of door height. When using 3 or more hinges they are to be equally spaced. Interior hollow core doors weighing less than 50 pounds and not over 6' 8" in height may be hung on two hinges.
3. Pilot holes must be drilled for the screws attaching hinges, lock hardware, and other devices to the faces of door stiles. Pilot holes should be 70% of the root diameter for wood screws used in application to softwood stiles and 90% of the root diameter for wood screws used in application to hardwood stiles.
4. All hardware locations, preparations, and methods of attachment must be appropriate for the specific door construction.
5. Clearances between door edges and door frame shall be a minimum of 1/16 inch on the hinge edge, 1/8 inch on the latch edge and top rail.
6. Doors shall be completely finished for seal, stain, topcoat and hardware preparation prior to installation.
7. Properly protect top and bottom edges of exterior doors and the bottom of light or louver cutouts with proper finishes and metal flashing to prevent moisture from leaking into the core. Exterior lip mouldings must be used in light/louver openings.
8. Exterior doors, in geographical areas having climatic conditions that cause substantial temperature and/or humidity differences on opposite sides of the door, should be installed in a storm door unit to help prevent warpage.
9. Fire doors bearing Graham Manufacturing Corporation certification labels have been prepared for installation per the conformance authorities granted by Warnock Hersey International and under label service. The door is to be installed so that the certification label will be on the hinge stile at approximately eye level. Removal or tampering with this label will void the rating of the door. Fire Doors must be installed per label instructions.
10. Job site modification of certified, labeled fire doors is restricted to the following:
  - a) Function holes for mortise locks, holes for labeled viewers, a maximum 3/4" undercutting of book height doors, protection plates and preparations for surface and applied hardware not to exceed 1" in diameter.
  - b) Unless otherwise identified, certified labeled fire doors installed in pairs must have metal meeting edges or metal meeting edges with an astragal.
  - c) Pilot holes must be drilled for all screw applications. Drill 5/32" diameter pilot holes for No. 12 screws.

### MAINTENANCE

1. Insure that doors have been finished and installed properly.
2. Insure the doors continue to swing freely, do not bind in the frame and that all hardware is well maintained and remains functional.
3. Protect the doors and hardware from abuse by the users.
4. Most finishes on both interior and exterior doors will deteriorate with time and use. In order for these doors to continue receiving the protection required, periodic inspection and repair or refinishing is necessary. Frequency of inspection and repair or refinish should be at least once a year for exterior doors and at least once every two years for interior doors.
5. Periodic care and cleaning of the door finish is recommended. Care should be taken not to use chemical cleaners or polishes which will react unfavorably with the finish materials.
6. Care should be taken to insure that any repair or replacement of the finish is done with materials which are compatible with the original materials used. Follow the instructions under "Preparation for Finishing."

### MATERIAL SAFETY DATA INFORMATION

In accordance with the 1989 O.S.H.A. "Z" List of Hazardous materials and the reporting of those materials, Graham of Mason City, Iowa issues the following statement:

***NO materials used in the production or manufacture of any Graham products are hazardous to the handler or user of those products when they are finished and installed according to accepted industry standards.***

Wood and wood products are exempt and **are not** defined as hazardous by the O.S.H.A. standard.

Customer:

Job Name:

GMC#:

PO#:

INV#:

DATE:

GRAHAM • 1502 12th Street NW • P.O. Box 1647 • Mason City, IA 50402-1647  
Phone: 641-423-2444 • FAX: 800-672-8110



ASSA ABLOY, the global leader  
in door opening solutions

# GRAHAM LIMITED DOOR WARRANTY

Graham WARRANTS ALL DOORS SOLD UNDER THIS WARRANTY (except those expressly excluded from this warranty), to be of good material and workmanship at the time of shipment, and to be free of defects which would render said doors unserviceable or unfit for their ordinary recommended use for the time periods listed below.

This warranty extends only to the first purchaser of said door(s) and may not be enforced by any person to whom the said door(s) are transferred. Claims made under this manufacturer's warranty must be made by the first purchaser on behalf of those to whom he is transferred ownership.

The period of warranty coverage extends from the date of shipment by Graham through the periods listed below. Graham will at its option either

- 1) refund the price received by the manufacturer for, or 2) repair or, 3) replace, including reasonable rehanging and refinishing costs, any door not found to comply with this warranty. However, written notice of any claim under this warranty must be given to the manufacturer promptly when discovered.

In the case of a defect reasonably discoverable by visual inspection of each door upon receipt of the shipment from Graham, notice must be given within thirty days thereafter and prior to treatment or hanging in any manner.

**Graham shall not be liable for doors repaired or replaced without its prior consent.** Estimates of the repair or replacement costs must be submitted and approved by Graham prior to the work commencing.

## TELEGRAPH AND WARP

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1. Action on any claim for warp or telegraph after installation may be deferred, at the option of the manufacturer, for a period of 12 months from the date of complaint. During this period doors must remain hung in the original installation to permit conditioning to temperature and humidity.
2. Warp shall not be considered a defect unless it exceeds 1/4 inch in any 3'6" x 7'0" section of the door.
3. Stile, rail and core show-through (telegraphing) on flush doors shall not be considered a defect unless it exceeds 1/100 inch in any 3-inch span.
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  - c) Doors which are installed improperly.
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6. This warranty does not cover:
  - a) Flush doors with cutouts for lights and/or louvers any edge of which is nearer than 5 inches\* to any edge of the door.
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**\*Machining specifications for labeled fire doors must be followed and may vary from these minimum dimensions.**

Graham sole responsibility under this warranty is as stated herein, and it shall not be liable for consequential, indirect or incidental damages, or for any amount in excess of its price for the shipment involved whether the claim is for breach of warranty or negligence. There are no warranties expressed, written, or implied as to merchantability or fitness for a particular purpose except those stated herein.

## DURATION OF LIMITED WARRANTY

GMC SYMBOL	DOOR TYPE	INTERIOR DURATION	EXTERIOR DURATION*
GPD/GCD-PC5	Particleboard Core	Lifetime	2 Years
GPD/GCD-AP5	Agri-Core	Lifetime	2 Years
GPD/GCD-SL5	Staved Lumber Core	Lifetime	2 Years
GPD/GCD-EC5	Engineered Composite	Lifetime	2 Years
GPD/GCD-FD5	Fire Mineral Core 1-1/2 Hour	Lifetime	None
GPD/GCD-FD5	Fire Mineral Core 1 Hour	Lifetime	None
GPD/GCD-FD5	Fire Mineral Core 3/4 Hour	Lifetime	None
GPD-HC	Standard Hollow Core	5 Year	1 Year

\* Exterior duration warranty is valid only if doors ordered, utilize skins with exterior glue, type 1 exterior glue bonding face to core, and are properly installed utilizing appropriate flashing and finished per A.W.I. quality standards sec. 1300-G-3.

Lifetime warranty applies to the original installation only.

## STORAGE, HANDLING, FINISHING, INSTALLATION AND MAINTENANCE INSTRUCTIONS

### STORAGE AND HANDLING

1. Store doors in a flat, level, horizontal position supported by at least 3 full width 2 X 4's.
2. Handle doors with clean hands or while wearing clean gloves.
3. Do not drag doors across one another, lift and carry them.
4. Store doors in clean surroundings protected from dirt, abuse, excess moisture or dryness, extremes of temperature, or direct sunlight.
5. If doors are covered to protect them be sure to allow circulation.
6. Do not deliver doors to the jobsite until construction materials i.e., plaster, concrete, paint, etc. are dry and temperature and humidity are controlled and normal.
7. Doors should be conditioned to the average prevailing humidity of the locality and jobsite prior to hanging.
8. Certain species of wood, particularly oak, contain chemicals which react unfavorably with ferrous metals causing dark blue/black stains. Avoid contact with steel, steel products, filings, etc.

### PREPARATION FOR FINISHING

1. Prior to finishing insure that the building atmosphere is dried to a normal, interior relative humidity of 25% to 55%, 50-90 degrees F per WDMA I.S.1A.
2. Sanding and Finishing must be done with the door in a horizontal position.
3. Prior to finishing remove all handling marks, raised grain, and other undesirable blemishes by completely hand block sanding all surfaces with a 100 to 150 fine grit abrasive. Do not use steel wool. Do not spot sand. Failure to properly prepare the surface will result in blotchy appearance.
4. When possible, the species finish combination should be tested prior to finishing the doors. Notify the finish supplier and door supplier immediately if any undesirable reaction is noticed. Do not continue with finishing until the problem is resolved.
5. In order not to induce warpage, avoid dark stains or dark colored paints on door surfaces exposed to direct sunlight.
6. To prevent blemish magnification, avoid extremely dark stains on light colored wood species.
7. Water based sealers or prime coats should not be used. Water based top coats should be used only over surfaces which have been completely sealed with a non-water based sealer or primer.
8. A first coat of thinned sanding sealer, followed by light block sanding, will minimize subsequent handling marks, and promote uniformity of subsequent stain coats.
9. High gloss finishes are not recommended.
10. Be sure the door surface is satisfactory before applying sealers, stains or topcoats.

### INSTALLATION

1. The utility or structural strength of the doors must not be impaired in fitting the door to the opening, preparation and application of hardware, preparation and application of lights, louvers, plant-ons or other detailing.
2. On all exterior and interior solid core doors, use a minimum of one hinge for each 30 inches of door height. When using 3 or more hinges they are to be equally spaced. Interior hollow core doors weighing less than 50 pounds and not over 6' 8" in height may be hung on two hinges.
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### MAINTENANCE

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