



GAPGUARD

Fire Door Accessories

For the complete list of GapGuard Fire Door Accessories, the most up-to-date product information and installation instructions, scan the QR code or visit ngp.com.



FREQUENTLY ASKED QUESTIONS



GAPGUARD GENERAL QUESTIONS

GAPS—WHAT DOES THE CODE SAY?

NFPA 80 (the code standard for fire doors) states that fire doors must be inspected on an annual basis. Maximum allowable perimeter gap is $\frac{1}{8}$ " for wood doors, $\frac{1}{8}$ " +/- $\frac{1}{16}$ " for metal doors. Maximum allowable door bottom gap is $\frac{3}{4}$ ". Gaps that exceed these maximum allowable tolerances result in a non-compliant fire door that needs to be repaired.

GAPS—PERIMETER VS. DOOR BOTTOM?

Perimeter gaps in doors are the distance between the edge of the door and door frame as measured on the pull side of the opening. Door bottom gaps are the distance between the bottom of the door and the finish floor.

GAPS—WHY ARE THEY IMPORTANT?

Proper gap tolerances ensure that the door will perform as it is intended. Gaps that are outside of tolerance can lead to compromised fire door integrity in a fire situation as well as not allowing the fire door latching mechanism to engage fully as it is required to do by code.

REPAIRS—WHAT DOES THE CODE REQUIRE?

Separate from the FDAI Inspection Log; a Maintenance Log is required to be kept with record of repairs to each door. It should include specific product information and certification for products applied that solve issues like excessive gaps.

UL MARK—WHAT DOES IT INCLUDE?

The 'official' **UL Mark** is the UL Shield & Category ID – POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY. For information regarding the special nature of GAPGUARD applications including all required components refer to the installation instructions.

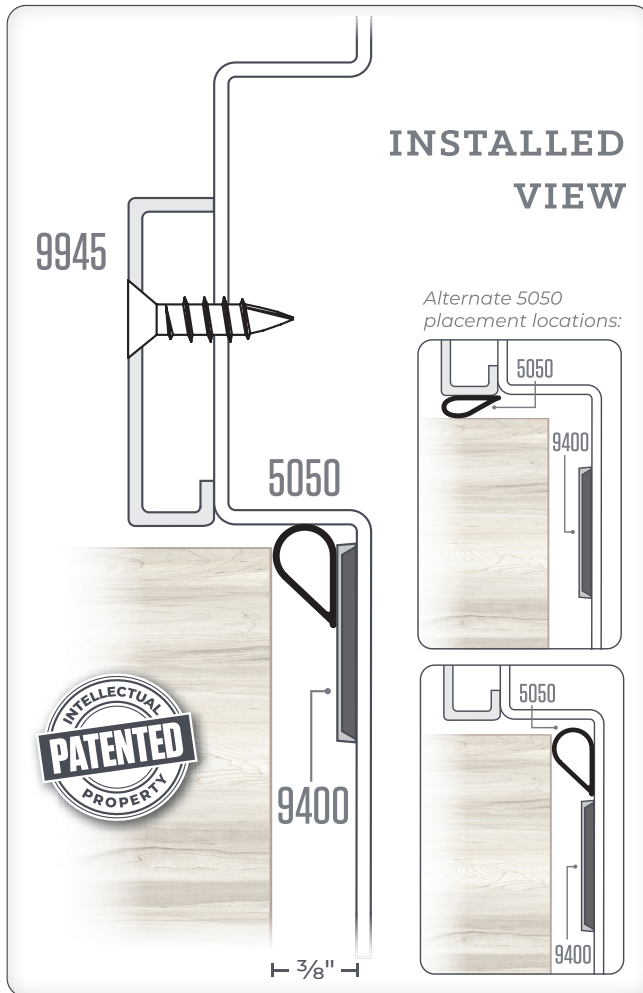
UL MARK—WHERE IS THE OFFICIAL MARK & COMPREHENSIVE INFO?

GAPGUARD installation instructions included in each set contain the 'official' **UL Mark**, category ID, and comprehensive information regarding application and installation of all components. Installation Instructions are also available on ngp.com in 8 ½" x 11" pdf format.

GAPGUARD

FREQUENTLY ASKED QUESTIONS *(continued)*

GAP90



WHERE IS THE GAP90 SOLUTION REQUIRED?

GAP90 is only needed in the areas where gaps exceed compliance. It is often aesthetically desirable to run the Steel Stop Extender (9945) full length of head or jamb, while applying intumescent (9400/9400DKB) and Silicone Seal (5050C) where the gap is excessive.

HOW DOES GAP90 CLOSE THE GAP?

With GAP90 installed the excessive gap will still be visible. GAP90 is tested and certified for use on doors WITH excessive gap as it allows them to successfully pass up to a 90-minute UL10C positive pressure fire endurance test and required hose stream test.

HOW TO APPLY GAP90 TO DOOR FRAMES WITH HOSPITAL STOPS?

The intention of the hospital stop is to allow for easy cleaning of the area where the frame meets the floor. The Steel Stop Extender (9945) should stop at the miter for the same reasons as the actual hospital stop. The Intumescent component (9400/9400DKB) should continue to the bottom of the frame. Optionally, the Silicone Seal (5050C) may stop at the miter or continue to the bottom of the frame.

HOW IS THE GAP90 DIFFERENT THAN THE GAP90N?

The Steel Stop Extender (9945) design is different between GAP90 and GAP90N. The flat side of the stop extender measures $\frac{3}{8}$ " and is designed to land on the soffit.

WHAT SOFFIT DEPTH DOES THE GAP90 ACCOMMODATE?

The Steel Stop Extender (9945) is designed to accommodate a soffit depth greater than $1\frac{1}{2}$ ". For soffit depths less than $1\frac{1}{2}$ ", GAP90N is preferred.

CAN I CLOSE THE OPEN ENDS OF THE STOP EXTENDER (IF EXPOSED)?

End caps are available to provide a smooth finish when the end of the Steel Stop Extender is open, such as when modifying for hardware or at the frame header for double egress doors.

HOW DO I USE THE END CAPS?

End caps are provided in the flat form, with tabs that need to be bent at 90° before inserting into the open end of the Steel Stop Extender (9945).

CAN I PAINT THE STOP EXTENDER?

Yes, the Steel Stop Extender (9945) can be finish coated with like materials as the original door.

IS THE STEEL STOP EXTENDER (9945) MARKED WITH THE UL STAMP?

Yes, the official **UL Mark** is the UL Shield & Category ID – Positive Pressure Tested Miscellaneous Fire Door Accessory.

IS THE STEEL STOP EXTENDER (9945) HANDED?

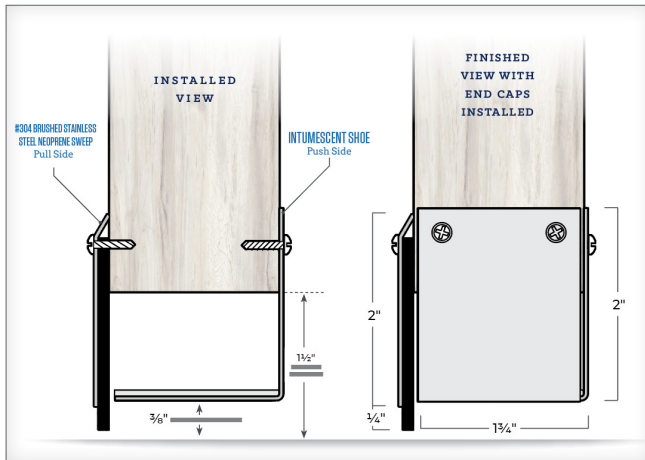
No, the Steel Stop Extender (9945) is symmetrical.

CAN THE GAP90 BE MODIFIED?

Yes. GAP90 may be prepped to accommodate existing door hardware such as on-site modifications around rim exit device strikes.

GAPGUARD

FREQUENTLY ASKED QUESTIONS (continued)



9590 DOOR BOTTOM GAP SOLUTION

IS THE 9590 DOOR BOTTOM MARKED WITH THE UL STAMP?

Yes, the official **UL Mark** is the UL Shield & Category ID – Positive Pressure Tested Miscellaneous Fire Door Accessory.

CAN THE 9590 DOOR BOTTOM BE MODIFIED?

Yes. The 9590 Door Bottom may be prepped to accommodate existing door hardware such as on-site modifications around concealed vertical rod exit device latches or automatic flush bolts.

IS THE ATTACHMENT METHOD THE SAME FOR BOTH WOOD AND HOLLOW METAL DOORS?

Yes.

DO I HAVE TO REMOVE THE DOOR TO INSTALL THE 9590 DOOR BOTTOM?

No. The 9590 door bottom can be installed while the door is on the hinges.

CAN I TRIM THE 9590 DOOR BOTTOM?

Yes. The 9590 door bottom can be trimmed up to match the width of the door.

ARE THE END CAPS REQUIRED TO MAINTAIN UL CERTIFICATION?

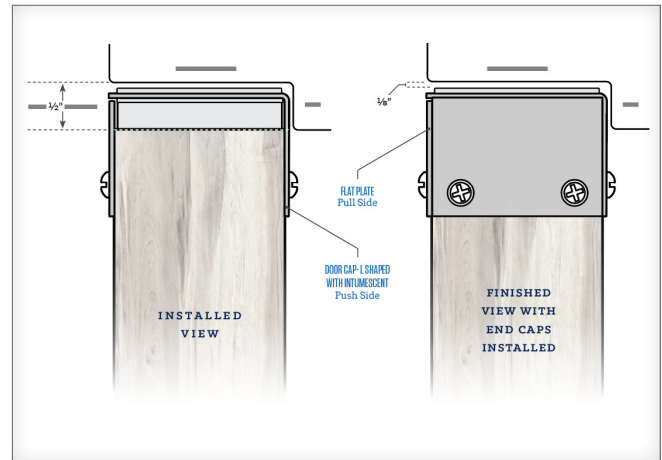
No. The end caps are used to provide a clean, finished appearance.

TO WHICH SIDE OF THE DOOR IS THE L-SHAPED COMPONENT ATTACHED?

The push side. The L-shaped component is on the stop face of the door.

IS THE 9590 DOOR BOTTOM HANDED?

No, the design is symmetrical.



9990 DOOR TOP GAP SOLUTION

IS THE 9990 DOOR TOP MARKED WITH THE UL STAMP?

Yes, the official **UL Mark** is the UL Shield & Category ID – Positive Pressure Tested Miscellaneous Fire Door Accessory.

CAN THE 9990 DOOR TOP BE MODIFIED?

Yes. The 9990 Door Top may be prepped to accommodate existing door hardware such as on-site modifications around concealed vertical rod exit device latches or automatic flush bolts.

TO WHICH SIDE OF THE DOOR IS THE L-SHAPED COMPONENT ATTACHED?

The push side. The L-shaped component is on the stop face of the door.

ARE THE END CAPS REQUIRED TO MAINTAIN UL CERTIFICATION?

No. The end caps are used to provide a clean, finished appearance.

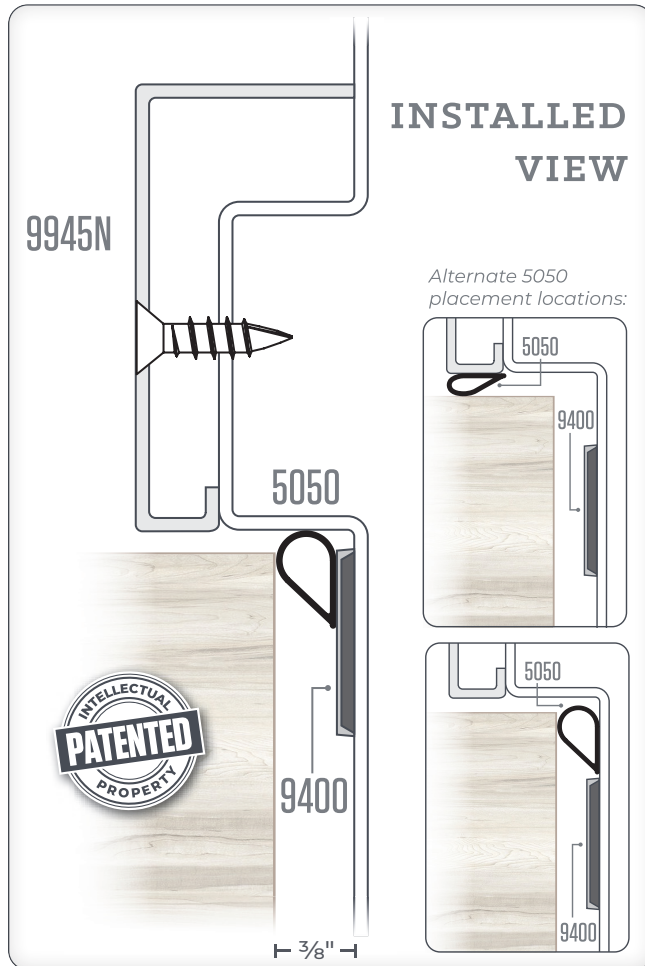
IS THE 9990 DOOR TOP HANDED?

No, the design is symmetrical.

GAPGUARD

FREQUENTLY ASKED QUESTIONS *(continued)*

GAP90N



WHERE IS THE GAP90N SOLUTION REQUIRED?

GAP90N is only needed in the areas where gaps exceed compliance. It is often aesthetically desirable to run the Steel Stop Extender (9945N) full length of head or jamb, while applying intumescent (9400/9400DKB) and Silicone Seal (5050C) where the gap is excessive.

HOW DOES GAP90N CLOSE THE GAP?

With GAP90N installed – excessive gap will still be visible. GAP90N is tested and certified for use on doors WITH excessive gap as it allows them to successfully pass up to a 90 minute UL10C positive pressure fire endurance test and required hose stream test.

HOW TO APPLY GAP90N TO DOOR FRAMES WITH HOSPITAL STOPS?

The intention of the hospital stop is to allow for easy cleaning of the area where the frame meets the floor.

The Steel Stop Extender (9945N) should stop at the miter for the same reasons as the actual hospital stop. The Intumescent component (9400/9400DKB) should continue to the bottom of the frame. Optionally, the Silicone Seal (5050C) may stop at the miter or continue to the bottom of the frame.

HOW IS THIS DIFFERENT THAN THE GAP90?

The Steel Stop Extender (9945N) design is different for the GAP90N. The flat side of the Steel Stop Extender (9945N) has been extended from $\frac{3}{8}$ " to 1", which is designed to land on the rabbet.

WHAT SOFFIT DEPTH DOES THE GAP90N ACCOMMODATE?

The Steel Stop Extender (9945N) is designed to accommodate a soffit depth of $\frac{1}{2}$ " – $1\frac{1}{2}$ ". For soffit depths greater than $1\frac{1}{2}$ ", GAP90 is preferred.

WHAT IF THE STOP HEIGHT IS LESS THAN $\frac{5}{8}$ "

The 1" leg can be cut down as needed to accommodate varying stop heights.

CAN I CLOSE THE OPEN ENDS OF THE STOP EXTENDER (IF EXPOSED)?

End caps are available to provide a smooth finish when the end of the Steel Stop Extender (9945N) is open, such as when modifying for hardware or at the frame header for double egress doors.

HOW DO I USE THE END CAPS?

End caps are provided in the flat form, with tabs that need to be bent at 90° before inserting into the open end of the Steel Stop Extender (9945N). For end caps used on the Gap90N, where necessary the end cap will need to be cut to fit the size of the open end of the Steel Stop Extender (9945N).

CAN I PAINT THE STEEL STOP EXTENDER (9945N)?

Yes, the Steel Stop Extender (9945N) can be finish coated with like materials as the original door.

IS THE STEEL STOP EXTENDER (9945N) MARKED WITH THE UL STAMP?

Yes, the official **UL Mark** is the UL Shield & Category ID – Positive Pressure Tested Miscellaneous Fire Door Accessory.

IS THE STEEL STOP EXTENDER (9945N) HANDED?

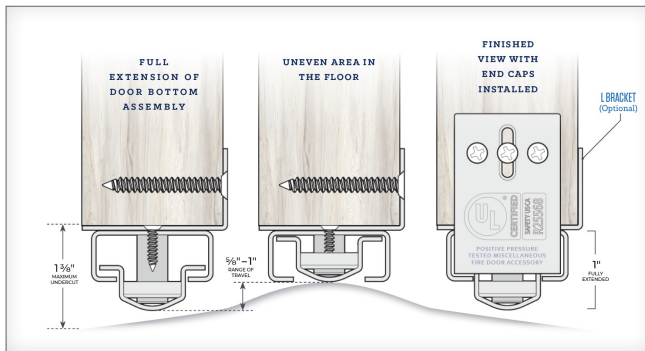
No, the Steel Stop Extender (9945N) is symmetrical.

CAN THE GAP90N BE MODIFIED?

Yes. GAP90N may be prepped to accommodate existing door hardware such as on-site modifications around rim exit device strikes.

GAPGUARD

FREQUENTLY ASKED QUESTIONS *(continued)*



9595DKB DOOR BOTTOM

IS THE ATTACHMENT METHOD THE SAME FOR BOTH WOOD AND HOLLOW METAL DOORS?

There are two options to install the 9595DKB door bottom. For hollow metal doors, the L-bracket is used with thru-bolts. For wood doors, the L-bracket and either thru-bolts or wood screws can be used. Additionally for wood doors, the 9595DKB door bottom can be installed directly to the bottom face of the bottom rail, not using the L-bracket.

DO I HAVE TO USE THE L-BRACKET?

The L-bracket is required on standard hollow metal doors and is optional for custom hollow metal doors and wood doors which have a flat bottom rail for attachment.

WHEN USING THE L-BRACKET, TO WHICH SIDE OF THE DOOR IS THE 9595DKB DOOR BOTTOM ATTACHED?

The 9595DKB door bottom can be installed to either side of the door. As reference, installation to the pull side (or hinge face) of the door will hide the L-bracket from visibility when the door is held in the open position.

HOW DO I KNOW WHICH SIDE OF THE L-BRACKET TO ATTACH TO THE DOOR?

The shorter of the two legs of the L-bracket measures 1" and is used to attach to the face of the door. This leg contains the **UL Mark**.

HOW DO I KNOW WHICH HOLES TO USE IN THE L-BRACKET?

The L-bracket contains two legs; one leg measures 1" and is used to attach to the face of the door, one leg measures 1 3/4" and contains a series of holes to attach the L-bracket to the door bottom assembly.

DO I HAVE TO REMOVE THE DOOR TO INSTALL THE 9595DKB DOOR BOTTOM?

No. The 9595DKB door bottom can be installed while the door is on the hinges. This installation method requires the L-bracket to be used.

CAN I TRIM THE 9595DKB DOOR BOTTOM?

Yes. The 9595DKB door bottom can be trimmed up to 1 1/2" from either end, (3" total).

HOW DO I SET THE POSITION IF THE GAP AT THE BOTTOM OF THE DOOR IS UNEVEN ACROSS THE WIDTH OF THE DOOR?

Use the end caps to set the side-to-side position. Identify the desired clearance at either edge of the door and install end caps to retain this location.

ARE THE END CAPS REQUIRED TO MAINTAIN UL CERTIFICATION?

The end caps are cosmetic only when the 9595DKB door bottom assembly can be used at full height extension.

DO I NEED TO SPECIFY THE ATTACHMENT METHOD WHEN ORDERING?

No, the 9595DKB door bottom contains all necessary hardware to support either method of attachment.

HOW DOES THE 9595DKB DOOR BOTTOM TRAVEL OVER THE UNEVEN FLOOR?

The door bottom assembly contains a spring-loaded tapered bottom component which has a maximum range of travel of 3/8".

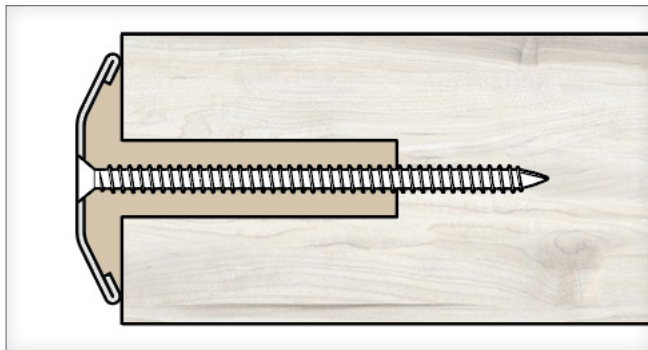
WHAT IS INCLUDED IN THE HARDWARE PACK AND WHERE IS IT USED?

- #10 x 1 1/2" PPH SS SMS (DKB)
(L-Bracket For Wood Door)
- #8-32 x 1 3/4" PHP SS Thru-Bolt (DKB)
(L-Bracket For Steel Or Wood Door)
- #6 x 3/8" SS TEK
(L-Bracket Attachment To Door Bottom Assembly)
- #10 x 2" PPH SS SMS
(Door Bottom Assembly Attachment To Bottom Rail Of Door)
- #6 x 3/4" FPH SS SMS (DKB)
(End Cap Attachment To Edge Of Door)

GAPGUARD

FREQUENTLY ASKED QUESTIONS *(continued)*

GAP90ME



IS THE ATTACHMENT METHOD THE SAME FOR BOTH WOOD AND HOLLOW METAL DOORS?

No. Installation to a hollow metal door uses the #10 x $\frac{3}{4}$ " FHPH SS TEK screws in combination with the Gapguard Fire Caulk. Installation to a wood door uses the #10 x 2 $\frac{1}{2}$ " FHPH SS SMS, which are anchored in $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " cylindrical bores, in combination with the Gapguard Fire Caulk.

HOW DO I ACCOMMODATE AN UNEVEN GAP FROM THE TOP OF THE DOOR TO THE BOTTOM OF THE DOOR?

The formed metal edge can be pulled down (flattened) where needed while the metal edge is being fastened to the door, or flattened using a block of wood and a mallet. In either case, take caution to maintain a smooth transition when making any adjustment to the formed metal edge.

WHERE IS THE GAPGUARD FIRE CAULK USED ON THE FORMED METAL EDGE?

For installation to both wood and hollow metal doors, the concave side (underside) of the formed metal edge is filled with Gapguard Fire Caulk prior to placement on the door.

WHERE IS THE GAPGUARD FIRE CAULK USED ON THE DOOR?

For wood doors only, the Gapguard Fire Caulk is used to fill the $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " cylindrical anchoring bores, prior to installing the formed metal edge to the edge of the door.

WHY ARE ANCHORING BORES REQUIRED ON WOOD DOORS?

The $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " cylindrical anchoring bores provide structural integrity when used within the composite or mineral-based stile and rail material, commonly found within fire rated wood doors.

WHY IS THE GAPGUARD FIRE CAULK NECESSARY?

The Gapguard Fire Caulk provides structural integrity to both the formed metal edge and the attachment to the edge of the door, and is UL listed as a component within the GAP90ME meeting edge gap solution.

CAN I TRIM THE HEIGHT OF THE FORMED METAL EDGE?

Yes, the formed metal edge can be trimmed to match the height of the door.

DO I NEED TO USE A FORMED METAL EDGE ON BOTH DOORS?

No, the formed metal edge needs only to be applied to one of the doors.

CAN I USE A FORMED METAL EDGE ON BOTH DOORS?

Yes, so long as the excessive gap does not exceed $\frac{3}{8}$ " as per the UL Listing.

CAN I REDUCE THE THICKNESS OF THE FORMED METAL EDGE?

The formed metal edge can be pulled down (flattened) where needed while the metal edge is being fastened to the door, or the flattened using a block of wood and a mallet. In either case, take caution to maintain a smooth transition when making any adjustment to the formed metal edge.

HOW DO I HIDE THE FASTENERS?

The heads of the fasteners can be filled, sanded, and painted to match door.

WHAT TYPE OF LATCHING HARDWARE WILL THIS ACCOMMODATE?

The GAP90ME is not dependent upon the latching hardware and can be used in combination with the latching hardware currently approved for the opening.

MAY GAP90ME FORMED METAL EDGE BE MODIFIED?

Yes, the formed metal edge may be prepped to accommodate existing hardware. Where necessary, an NGP Strike Shim 9275 or 9225 may also be required for proper latchbolt engagement.

HOW DO I HANDLE FIRE PINS?

If fire pins are used, it is recommended to apply metal edge to door with fire pin receiver. Remove the receiver from door before installing formed metal edge. After formed metal edge is installed, reinstall the receiver, ensuring to face is flush with metal edge.

GAPGUARD FIRE CAULK

FREQUENTLY ASKED QUESTIONS *(continued)*

GAP90ME *(continued)*

CAN I PAINT THE FORMED METAL EDGE?

Yes, the formed metal edge can be finish coated with like materials as the original door. take caution to ensure that the embossed **UL Mark** is visible after painting.

IS THE FORMED METAL EDGE MARKED WITH THE UL STAMP?

Yes, the official **UL Mark** is the UL Shield & Category ID – Positive Pressure Tested Miscellaneous Fire Door Accessory.

IS THE FORMED METAL EDGE HANDED?

No, the formed metal edge is symmetrical.

WHAT DO I DO IF MY GAP IS GREATER THAN 3/8"?

An option is to use shims at the hinges to close the meeting edge gap to 3/8", and then use GAP90ME. If the use of shims creates an excessive gap between the edge of the door and the frame larger than 1/8", GAP90 is required.

WHAT HARDWARE IS INCLUDED AND WHERE IS IT USED?

- #10 x 3/4" FHPH SS TEK
(Used On Hollow Metal Doors)
- #10 x 2 1/2" FHPH SS SMS
(Used On Wood Doors)

GAPGUARD FIRE CAULK



HOW CAN THE GAPGUARD FIRE CAULK BE USED?

The Gapguard Fire Caulk is UL certified for use in wood and hollow metal fire doors and hollow metal frames. The certification included the use for thru-holes to Fill up to a 1/2" Diameter Thru-Hole on 60- and 90-Minute Fire Doors and Frames and up to

a 1" Diameter Thru-Hole on 20- and 45-Minute Fire Doors and Frames. Can be Used to Fill Gaps up to 3/8" Between Floor and Shimmed Frame Legs, as well as a component of certified Gapguard Accessories..

CAN GAPGUARD FIRE CAULK BE USED ON ANY HOLLOW METAL OR WOOD FIRE-RATED DOOR?

Yes, up to 90 minute fire rating. The Gapguard Fire Caulk can be used to repair fire doors as well as accommodate removal or replacement of hardware.

WHAT IS THE WORKING TIME FOR THE GAPGUARD FIRE CAULK?

The working time should be kept to a minimum as the Gapguard Fire Caulk will form a skin within several minutes after application.

HOW LONG AFTER APPLICATION SHOULD I CLEAN UP EXCESS?

Immediately. Use soap and water and remove any excess, focusing on areas where sanding, filling and/or painting will occur.

WHAT IS THE CURE TIME?

The cure time is dependent on the size of the caulk bead, but full cure is achieved within 24 hours.

WILL GAPGUARD FIRE CAULK FREEZE?

Yes. Product is for indoor use only and must be kept from freezing prior to use.

WHAT IS THE SHELF LIFE FOR THE GAPGUARD FIRE CAULK?

12 months

WHAT COLOR IS THE GAPGUARD FIRE CAULK?

Tan. The color blends naturally with many door finishes but can be treated with other finish products to match the original door condition.

CAN I APPLY WOOD PUTTY AND OTHER SURFACE TREATMENTS OVER THE GAPGUARD FIRE CAULK?

Yes, after fire caulk has reached full cure.

CAN I SAND THE GAPGUARD FIRE CAULK?

Yes. Take precaution to clean as much excess as possible after application to minimize sanding required.

CAN I STAIN THE GAPGUARD FIRE CAULK?

While not recommended, stain can be applied directly to the cured Gapguard Fire Caulk. For best color match it is recommended to apply wood or wood filler prior to staining.

CAN I PAINT THE GAPGUARD FIRE CAULK?

Yes, fully cured Gapguard Fire Caulk can be painted. For best results, multiple coats are recommended.

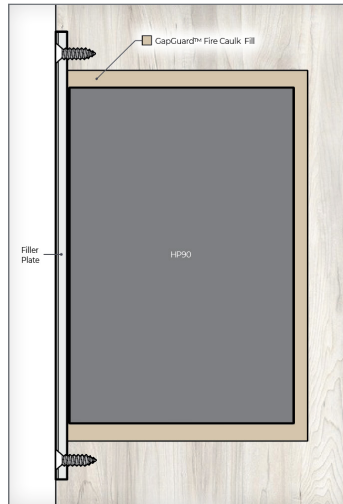
GAPGUARD

FREQUENTLY ASKED QUESTIONS *(continued)*

HP90-MORT FAQ'S

IS THERE A DIFFERENCE IN APPLICATION BETWEEN A WOOD DOOR AND A HOLLOW METAL DOOR?

No. Application to wood and hollow metal doors should be treated the same, using the HP90 fire rated panel, Gapguard Fire Caulk and filler plates are required, see installation instructions.



IS THE GAPGUARD FIRE CAULK REQUIRED?

Yes. The Gapguard Fire Caulk is a component of the UL listed solution and is necessary to fill voids as well as secure the fire-rated panel within the hardware prep.

IS THE GAPGUARD FIRE CAULK REQUIRED BEHIND THE STRIKE FILLER PLATE ON THE FRAME?

While not required, application of Gapguard Fire Caulk provides additional integrity to the hardware.

CAN I CUT THE HP90-FIRE RATED PANEL TO FIT THE CUTOUT SIZE?

Yes. The fire-rated panel is provided to accommodate multiple sizes of mortise lockset hardware. As determined by the particular hardware prep, the fire-rated panel can be machined to size using wood working tools.

HOW DO I KNOW WHICH OF THE FILLER PLATES TO USE?

The HP90-MORT kit is supplied with various sizes of steel filler plates for multiple types of mortise lockset hardware. The filler plates will need to be determined based on the particular hardware prep.

HP90-FB FAQ'S

IS THERE A DIFFERENCE IN APPLICATION BETWEEN A WOOD DOOR AND A HOLLOW METAL DOOR?

No. Application to wood and hollow metal doors should be treated the same, using the HP90 fire rated panel, Gapguard Fire Caulk and filler plates are required, see installation instructions.

IS THE GAPGUARD FIRE CAULK REQUIRED?

Yes. The Gapguard Fire Caulk is a component of the UL listed solution and is necessary to fill voids as well as secure the fire-rated panel within the hardware prep.

IS THE GAPGUARD FIRE CAULK REQUIRED BEHIND THE STRIKE FILLER PLATE ON THE FRAME?

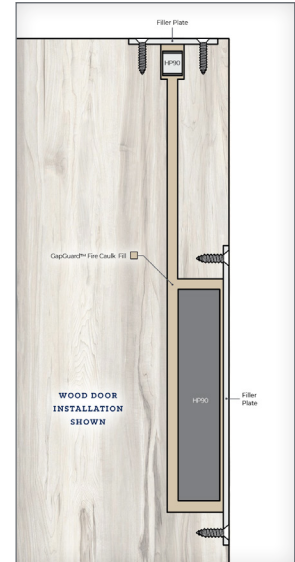
While not required, application of Gapguard Fire Caulk provides additional integrity to the hardware.

CAN I CUT THE HP90-FIRE RATED PANEL TO FIT THE CUTOUT SIZE?

Yes. The fire-rated panel is provided to accommodate multiple types of flush bolt hardware. As determined by the particular hardware prep, the fire-rated panel can be machined to size using wood working tools.

HOW DO I KNOW WHICH OF THE FILLER PLATES TO USE?

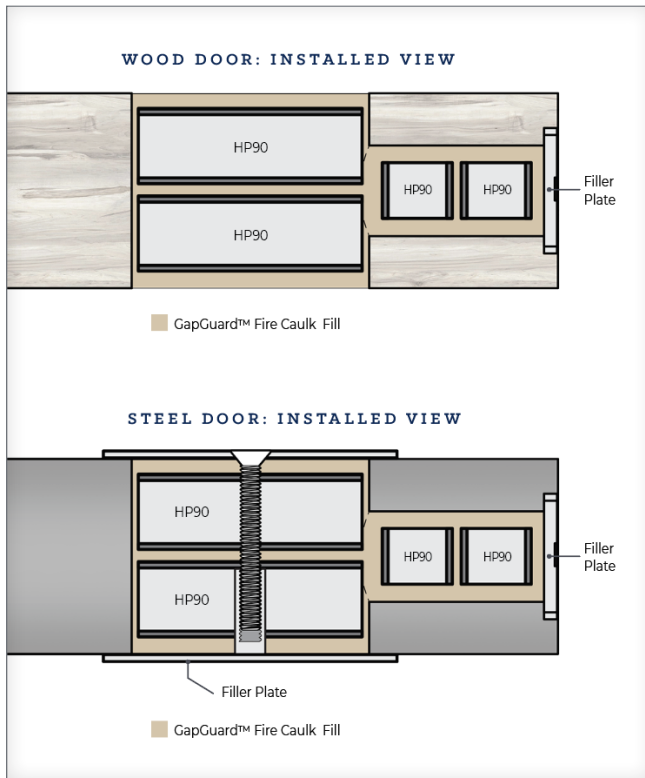
The HP90-FB kit is supplied with various sizes of steel filler plates for multiple types of mortise lockset hardware. The filler plates will need to be determined based on the particular hardware prep.



GAPGUARD

FREQUENTLY ASKED QUESTIONS *(continued)*

HP90-CYL



IS THERE A DIFFERENCE IN APPLICATION BETWEEN A WOOD DOOR AND A HOLLOW METAL DOOR?

Yes. Application to hollow metal doors requires the use of round filler plates at the face of the door. For wood doors, the use of the round filler plates is optional. For both door types, the HP90 fire rated panel, Gapguard Fire Caulk and filler plates are required, see installation instructions.

IS THE GAPGUARD FIRE CAULK REQUIRED?

Yes. The Gapguard Fire Caulk is a component of the UL listed solution and is necessary to fill voids as well as secure the fire-rated panel within the hardware prep.

IS THE GAPGUARD FIRE CAULK REQUIRED BEHIND THE STRIKE FILLER PLATE ON THE FRAME?

While not required, application of Gapguard Fire Caulk provides additional integrity to the hardware.

HOW DO I KNOW WHICH OF THE FILLER PLATES TO USE?

The HP90-CYL kit is supplied with various sizes of steel filler plates for multiple types of cylindrical lockset hardware. The filler plates will need to be determined based on the particular hardware prep.

HOW DO I KNOW WHICH HP90-FIRE RATED PANELS TO USE?

The UL listing requires the use of two cylindrical fire rated panels in the thru-hole at the faces of the door, and two cylindrical fire rated panels within the latch bolt bore. Multiple sized cylindrical fire rated panels are provided for application within the latch bolt bore, use the largest diameter size that will fit within the bore diameter.

CAN I CUT THE HP90-FIRE RATED PANEL TO FIT THE CUTOUT SIZE?

Yes. The fire-rated panel is provided to accommodate multiple types of cylindrical hardware. As determined by the particular hardware prep, the fire-rated panel can be machined to size using wood working tools.

WHEN DO I NEED TO USE THE ROUND FILLER PLATE?

The round filler plates are required for use on hollow metal doors and are optional for use on wood doors.

IS THE ROUND FILLER PLATE UL MARKED?

Yes, one of the round filler plates is embossed with the **UL Mark**, as are the latch edge and strike filler plates.

IF THE ROUND FILLER PLATE IS NOT USED ON A WOOD DOOR, HOW IS THE UL MARK DEMONSTRATED?

The **UL Mark** is embossed on the latch edge and strike filler plates. Additionally, the specific product information should be kept with the record of repairs within the maintenance log.

GAPGUARD

FREQUENTLY ASKED QUESTIONS *(continued)*

HP90-CYL *(continued)*

WHY IS THE ROUND FILLER PLATE REQUIRED FOR HOLLOW METAL DOORS AND NOT WOOD DOORS?

The type of fire rated door core determines the requirement. Fire rated wood doors use a solid core material, such as composite or mineral-based, which provides core material to bond to the HP90 cylindrical fire rated panels when the fire caulk cures. Fire rated hollow metal doors use internal core types which may or may not have material to bond to the HP90 cylindrical fire rated panels, and therefore the UL listing requires the use of the round filler plates to ensure structural integrity of the assembly.

CAN I USE WOOD OVER THE HP90 FILLER SYSTEM TO MATCH THE FACE OF THE DOOR?

Yes. Up to 3mm (1/8") high density fiberboard or equivalent density wood can be used to provide the desired surface finish.

CAN I USE HPL (LAMINATE) OVER THE HP90 FILLER SYSTEM TO MATCH THE FACE OF THE DOOR?

Yes. The face of the door can be treated to match the original condition of the fire rated door construction.

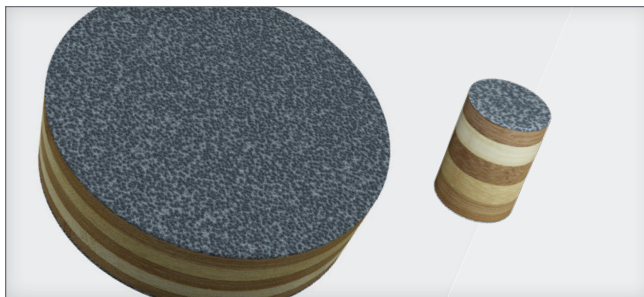
CAN I APPLY WOOD PUTTY AND OTHER SURFACE TREATMENTS OVER THE GAPGUARD FIRE CAULK?

Yes, after the Gapguard Fire Caulk has reached full cure.

CAN I SAND THE GAPGUARD FIRE CAULK?

Yes. Take precaution to clean as much excess as possible after application to minimize sanding required.

HP90-HARDWARE PREP FILLER



WHERE DO I USE THESE HP90 FILLER PANELS?

The HP90 filler panels are used in combination with the Gapguard Fire Caulk to fill thru-holes between the faces of the wood and hollow metal doors, between 1/2" and up to 2 1/8" diameter.

HOW DO I USE THE HP90 FILLER PANELS FOR WOOD DOORS?

Two HP90 filler panels are required in combination with the Gapguard Fire Caulk. Based on the size of the thru-hole, use the appropriate sized HP90 filler panel that will fit within the thru-hole and provide for up to a maximum 1/4" gap to allow for application of Gapguard Fire Caulk.

HOW DO I USE THE HP90 FILLER PANELS FOR HOLLOW METAL DOORS?

The HP90-CYL is used for hollow metal doors, which includes the required round filler plates.

WHY IS THE ROUND FILLER PLATE REQUIRED FOR HOLLOW METAL DOORS AND NOT WOOD DOORS?

The type of fire rated door core determines the requirement. Fire rated wood doors use a solid core material, such as composite or mineral-based, which provides core material to bond to the HP90 cylindrical fire rated panels when the fire caulk cures. Fire rated hollow metal doors use internal core types which may or may not have material to bond to the HP90 cylindrical fire rated panels, and therefore the UL listing requires the use of the round filler plates to ensure structural integrity of the assembly.

GAPGUARD

FREQUENTLY ASKED QUESTIONS *(continued)*

HP90-HARDWARE PREP FILLER *(continued)*

DO I HAVE TO USE THE GAPGUARD FIRE CAULK?

Yes. Only the Gapguard Fire Caulk meets the UL certification requirements for this application.

CAN I USE WOOD OVER THE HP90 FILLER SYSTEM TO MATCH THE FACE OF THE DOOR?

Yes. Up to 3mm (1/8") high density fiberboard or equivalent density wood can be used to provide the desired surface finish.

CAN I USE HPL (LAMINATE) OVER THE HP90 FILLER SYSTEM TO MATCH THE FACE OF THE DOOR?

Yes. The face of the door can be treated to match the original condition of the fire rated door construction.

CAN I APPLY WOOD PUTTY AND OTHER SURFACE TREATMENTS OVER THE GAPGUARD FIRE CAULK?

Yes, after the Gapguard Fire Caulk has reached full cure.

CAN I SAND THE GAPGUARD FIRE CAULK?

Yes. Take precaution to clean as much excess as possible after application to minimize sanding required.

CAN I PAINT THE GAPGUARD FIRE CAULK?

Yes, fully cured Gapguard Fire Caulk can be painted. For best results, multiple coats are recommended.

NGP-GAP-FAQ-0326-A



MEMPHIS | CARSON CITY

NATIONAL GUARD PRODUCTS, INC.

MEMPHIS

4985 East Raines Road
Memphis, TN 38118

CARSON CITY

3689 Arrowhead Drive
Carson City, NV 89706

Fax: (800) 255-7874

Email: info@ngp.com

Quotes: quotes@ngp.com

Orders: orders@ngp.com

ngp.com
1-800-NGP-RUSH