

IMPERIAL STOVE BOARD INSTALLATION INSTRUCTIONS

FOR MODELS: (BMD400, BMD401, BMD402, BMD403, BMD404, BMD405, BMD406)

The Imperial stove board is intended to be used with only the following (as applicable):

- Fireplaces complying with the Standard for Factory-Built Fireplaces, UL 127.
- Fireplace stoves complying with the Standard for Fireplace Stoves, UL 737.
- Solid-fuel type room heaters complying with the Standard for Room Heaters, Solid Fuel Type, UL 1482.
- Fireplace inserts complying with the applicable requirements specified in the Standard for Fireplace Stoves, UL 737, and in the Standard for Room Heaters, Solid-Fuel Type, UL 1482.
- Solid-fuel type room heaters complying with the Standard for Room Heaters, Pellet Fuel Burning Type, ASTM E1509.

APPLICATIONS

This R VALUE must be equal to or greater than that specified in the heat producing appliance's installation instructions and labeling. This Type 2 Thermal floor protector may be used as a Type 1 Ember Protector.

TOOLS AND HARDWARE REQUIRED

- Hand drill, 3/4" bit and a screwdriver
- Imperial wall spacer kit part #BMD134 or
- (10) - #10 x 2-1/2" wood screws
- (10) - wall anchors
- (10) - 1" non combustible spacers

WARNING: Do not cut or trim stove board

A: WALL SHIELD APPLICATION

The Imperial stove board, as a wall shield, is designed to reduce the specified clearance between your appliance and combustible materials.

To determine the minimum acceptable clearance between the appliance and the wall when using a wall shield, use the following formula:

$Reduced\ clearance = specified\ clearance\ divided\ to\ a\ minimum\ of\ 12"$ See Figure 1

$$Cmc = Csc \times (1 - Crp/100)$$

WHERE:

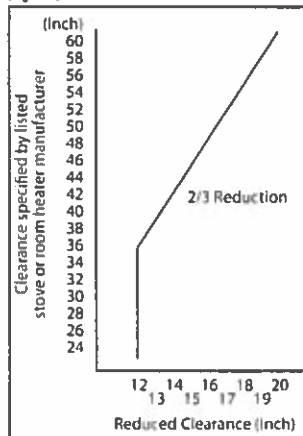
- Cmc is the minimum clearance after reduction. A wall protector cannot further reduce a clearance to less than 12"
- Csc is the specified clearance on the heating appliance
- Crp is the clearance reduction percentage specified on the wall protector product.

Required chimney and (Flue-gas) conduit, clearances must be maintained.

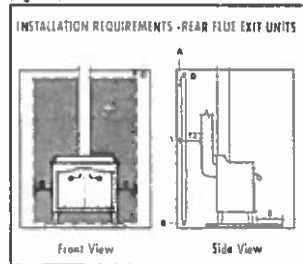
Since an adequate provision of free air movement is needed behind the wall shield, the following clearances must be maintained: See Figure 2

- 1 inch minimum between the shield and the wall.
- 1 inch between the shield and the floor.
- 18 inches minimum over the extremities of the appliance.
- 3 inches minimum between the shield and the ceiling
- Wall protector cannot be used to reduce clearances in front of any loading or ash removal doors on the appliance.

(Figure 1)



(Figure 2)



B: FLOOR PROTECTOR

The amount of protection needed under a stove depends on its design. The minimum protection need for any stove is a floor protector extending at least 18" (457 mm) from the loading side and 8" (203 mm) on the other three sides. (The area must not be less than that specified in the heater's or stove's installation instructions). This is not intended to provide protection from radiant heat but to prevent live coals from burning the floor. Certified stoves have floor protection requirements listed on the label.

- The R-value of this product is R = 1.5. This R-value must be equal to or greater than that specified in the heat producing appliance's installation instructions and labeling.
- The floor protector must be installed in accordance with local building codes.
- The floor protector must be installed on a continuous, flat surface. This floor protector may not be installed on a carpeted surface.

To join two or more stove boards together, use Imperial stove joining kit (BMD126, sold separately). This kit contains (2) - "A" clips and (2) - 27.75" metal strips. The purpose of the joiner kit is to prevent live coals from falling between the boards.

JOINING INSTRUCTIONS:

See Figure 3

- Place stove boards to be joined, metal face down on a flat surface.
- Insert the "A" clip into the metal edges at seam of boards at each side.
- Insert metal strip into the metal clips as shown.

The stove boards are now ready to be placed in location (install metal surface up towards stove).

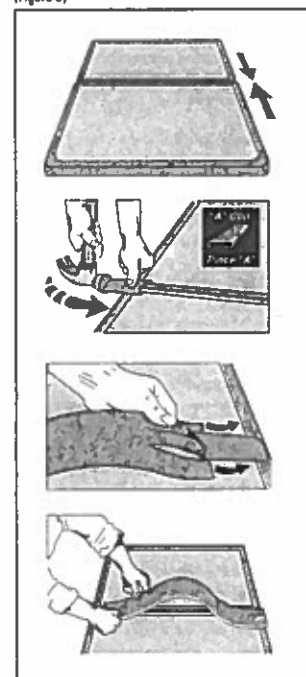
NOTE:

- If side being joined is over 70 cm (28") wide. Follow steps 1 to 3, using both flat strips in kit and overlapping the strips. Remove the backing from adhesive tape in the kit and adhere the two metal strips together.
- The stove board must not be cut or trimmed.
- The stove board must be installed on a flat continuous surface.

Position your heating unit on the stove board in accordance with all applicable instructions. If an electrical blower system is used in conjunction with your heating unit, it is necessary to install an electrical grounding kit. Installation instructions can be found accompanying the electrical grounding kit. (electrical grounding kit not supplied)

WARNING RISK OF FIRE AND ELECTRICAL SHOCK. DO NOT DRILL INTO THE FIRE CHAMBER OR INSTALL THE GROUNDING WIRE IN AN AREA WHERE IT MAY CAUSE TRIPPING OR BE SUBJECT TO DAMAGE.

(Figure 3)



Imperial
Manufacturing Group

43 Industrial Park Street
Rochester, NB, Canada E4W 4A4
Tel: 506-573-9117 Fax: 506-573-9074

1450 Discovery Parkway
Aurora, IL, USA 62007
Tel: 618-465-3133 Fax: 618-632-1973

www.imperialgroup.co

Manufacturing & Distribution facilities
Rochester, NB, Despe, NB, Dartmouth, NS, Montreal, QC, Ohioville, ON, Allen, IL