

EO-RB1000

RUMFORD 1000B – Refractory Cement Bricks Kit

The Refractory Cement Bricks Kit allows you to line your RUMFORD 1000B fireplace with refractory bricks.

Before you begin the installation, please take note:

- Make sure the bottom of firebox is cleaned before starting the installation.
- Even though all components can be easily installed by one person, you might find the installation easier with a partner handing you one component at the time.
- Four different types of components are used: semi-rigid and rigid insulation panels, vermiculite and refractory bricks.
- Rigid insulation panels are fragile. Please handle them carefully during the installation. Nevertheless, if an insulation panel is cracked you can still install it as long as you make sure to install all its pieces correctly.
- The firebox lining has been designed specifically for the RUMFORD 1000 and no modifications are required to ensure a proper fit.

REFRACTORY BRICK INSTALLATION

Please refer to Figure 1 while following the installation procedure below:

1. First, find the throat refractory brick (1). The semi-rigid insulation panels ((2) and (3)) are already installed in your fireplace.
2. Take the throat refractory brick (1) and hold the wider part of the throat refractory brick with your two hands, flat face towards you. Place yourself down on your knees in front of the fireplace opening. Tilt and slide the throat refractory brick inside the firebox along the flue divider at the top of firebox. Slowly slide the throat refractory brick up so you can lay it on the $\frac{5}{8}$ " bend. Let the throat refractory brick tilt towards the flue divider. It will stay in place by itself.

Refer to Figure 2, Figure 3 and Figure 4 while continuing the installation procedure:

3. Have the six bricks for the back and the four bricks for the right side handy. You will also need the three flat back brick spacers, three of the side brick supports, their screws, and a drill with a $\frac{1}{4}$ " nut driver (parts (4) through (12)). The kit includes two of bricks (5), (7), and (8), as well as four of brick (10).
4. Place the three back brick metal spacers (9) flat on the bottom of the firebox centered just in front of the back insulation panel (2). Install one of the small back bricks (10) on top of the spacers. Center the brick in the firebox and orient the brick pattern so that the side with the grout joint is facing up, refer to Figure 2.
5. Install the lower side brick (5) on the right side, spaced about $\frac{1}{8}$ " from the back brick. Verify that the brick pattern is aligned between the side and the back. If necessary, remove one of the back brick spacers to lower the back brick and align the brick pattern.

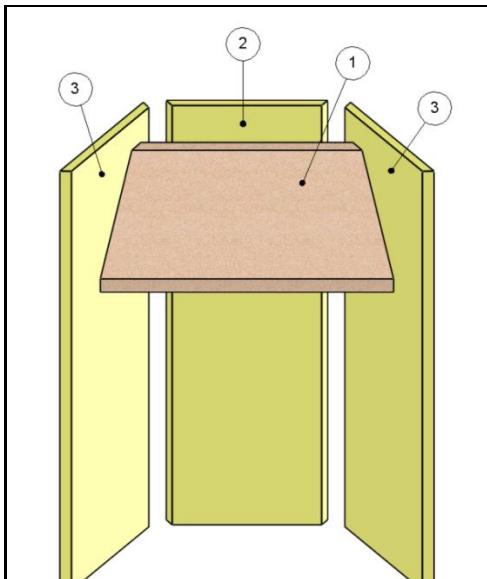


Figure 1 Insulation Panels and Fireplace Throat

6. Take a brick support (6) and place it as shown in Figure 4a), the side with the oblong hole resting against the insulation and the rest of the support centered against the brick tab.
7. With a utility knife, cut through the insulation on both sides and along the bottom of the support so that the support can be inserted behind the insulation. Do not cut across the top of the support so that the insulation remains in place.

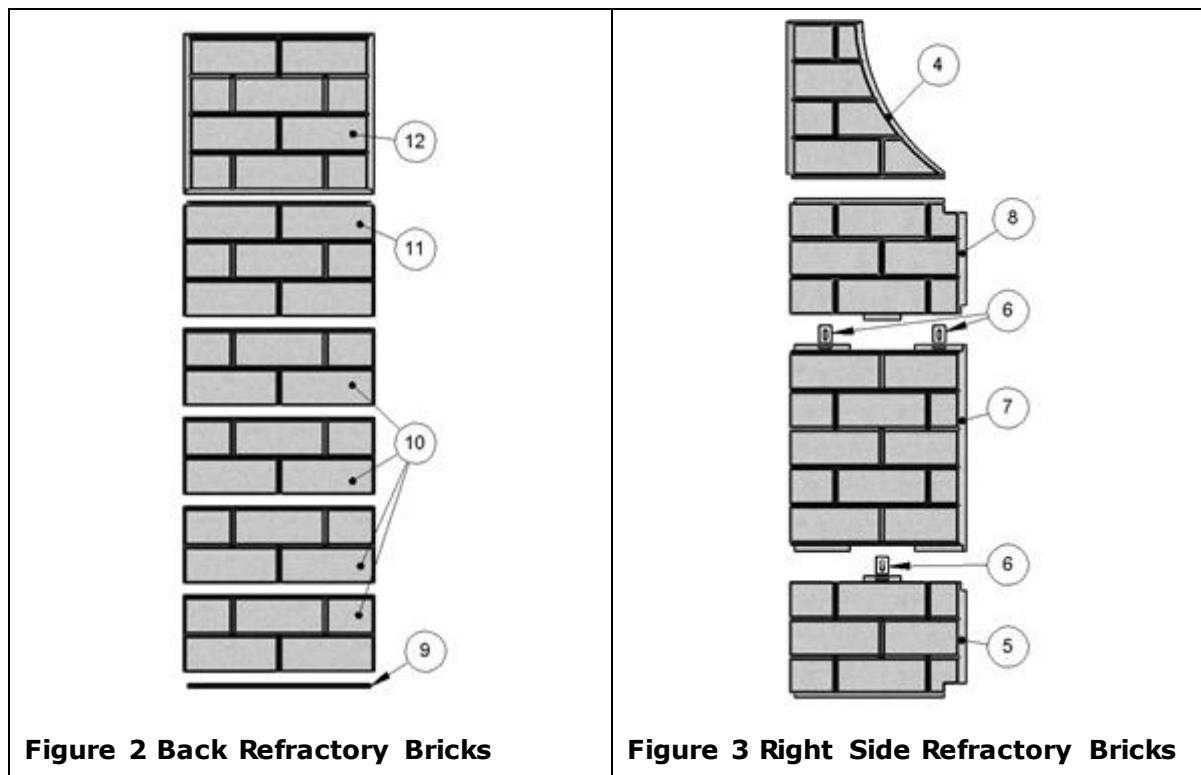


Figure 2 Back Refractory Bricks

Figure 3 Right Side Refractory Bricks

8. Using a drill and one of the screws provided, fasten the support to the firebox wall at the top of the oblong hole in the support. Make sure not to tighten the screw against the brick support. It should be free to move up and down as shown in Figure 4b).

If the brick support is not able to move freely, it will constrict the refractory brick in its place while the fire is burning which may cause the brick to crack. The brick support just needs to prevent the refractory brick from tilting forward, nothing else.

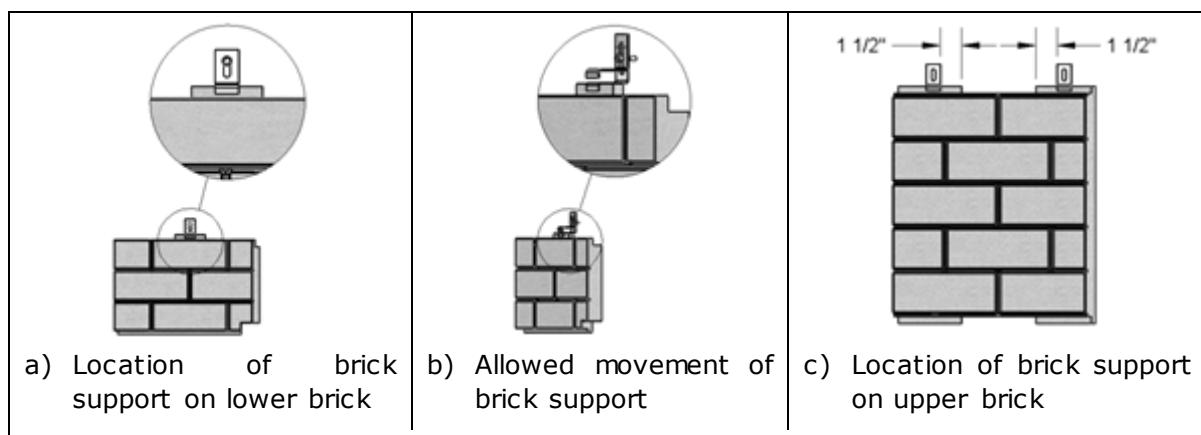


Figure 4 Refractory Brick Supports Installation

9. Leave the brick support resting against the lower brick and carefully close the insulation on top of the brick support.

If and when you need to remove the refractory bricks, the brick support does not need to be removed, just lift it enough to disengage the brick. Always make sure to close the insulation back over the brick support, once the brick is back in place.

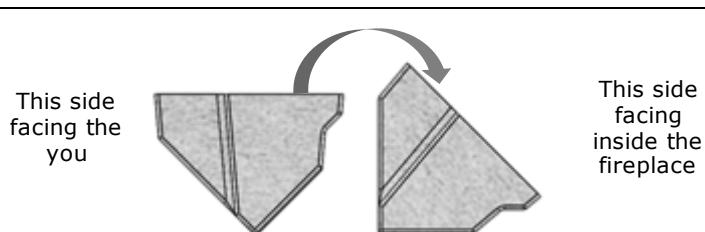


Figure 6 Side View of the top refractory brick (18)

10. Stack the three remaining small back bricks (10) on top of each other, ensuring that the grout joint on each is facing up, as shown in Figure 2.
11. On the right side, place the middle lower refractory brick (7) on top of the lower refractory brick (5). They will interlock when installed properly.
12. While referring to Figure 4c), install the two brick supports in the same manner as before, by cutting the insulation and screwing them into the firebox. The back and side bricks should now be secured in place.
13. Install the back middle refractory brick (11) with the grout joint facing up.
14. Install the upper back refractory brick (12) on top. Again, make sure to align the brick pattern. Hold it with one hand.
15. On the right side, install the middle upper brick (8), followed by the upper brick (4). When installing the upper refractory brick (4), you will have to tilt the throat refractory brick (1) upwards to be able to slide the upper right refractory brick into place.
16. Once the upper brick (4) is in place, slide the throat refractory brick as far right as it will go and let it rest against the upper brick.

While referring to Figure 5, install the left side refractory bricks in the same manner as the right side was installed. When finished, ensure that the throat refractory brick (1) is centered.

Refer to Figure 6, Figure 7 and Figure 8 to continue with the installation procedure below:

17. Find the two front refractory bricks (19) and place one on your left and one on your right.
18. To install the next refractory bricks, make sure the door is fully raised. Hold the top refractory brick (18) in the orientation shown on the left side of Figure 6. From inside the fireplace, slide the brick along the front facing inside the firebox, up to the top. Rotate the brick 90 degree to the back as shown in Figure 6. The notch will fit to the front angle. Hold it with one hand.
19. While holding the top refractory brick (18), install the front left (19) and right (19) refractory bricks on each side. The unfinished surfaces must be hidden, facing towards the sides of the fireplace. The front and left bricks should now support the top refractory brick.

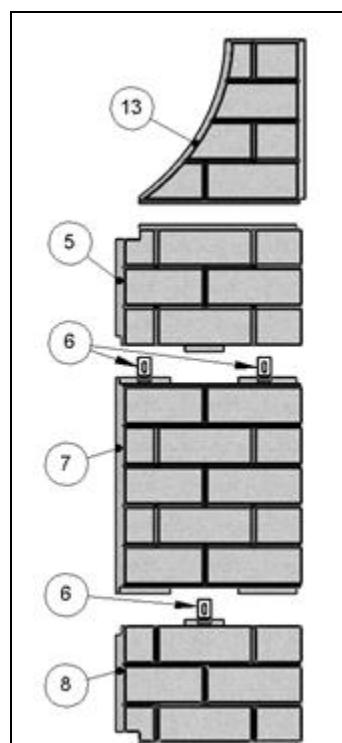


Figure 5 Left Side Refractory Bricks

20. Clean out the bottom of firebox and install **both** layers of the bottom insulating panels as shown in Figure 7. Make sure to have all insulating panels tight together and as close to the front as possible.
21. Install the ash step (20), tight to the front.
22. Install all the bottom refractory bricks ((21) to (23)) as shown in Figure 8.

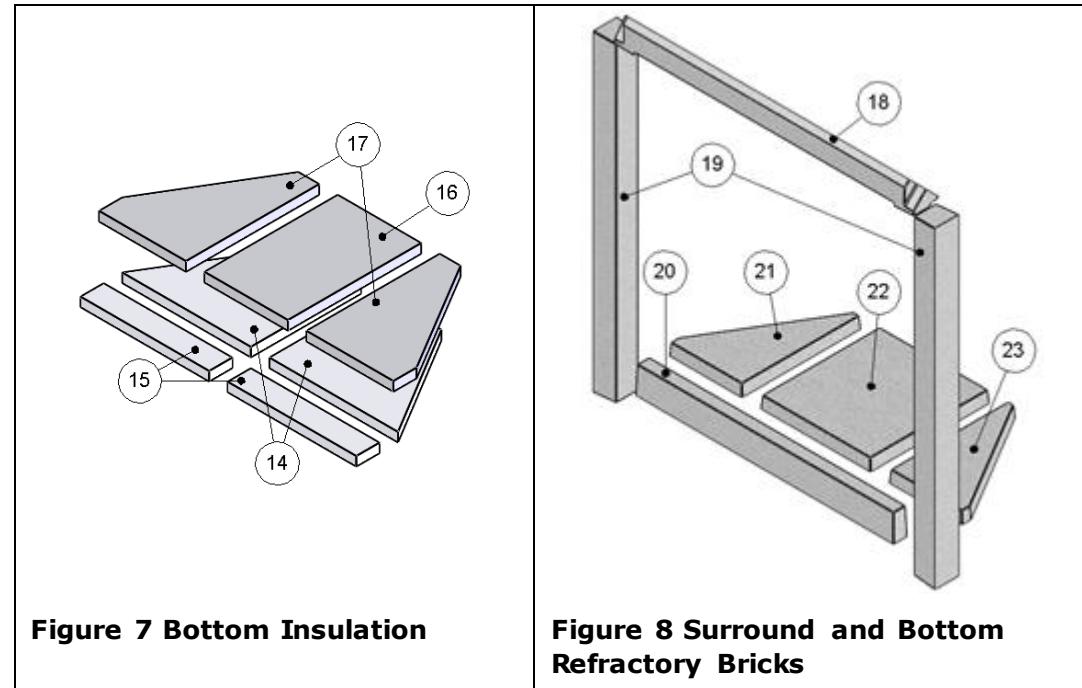


Figure 7 Bottom Insulation

Figure 8 Surround and Bottom Refractory Bricks