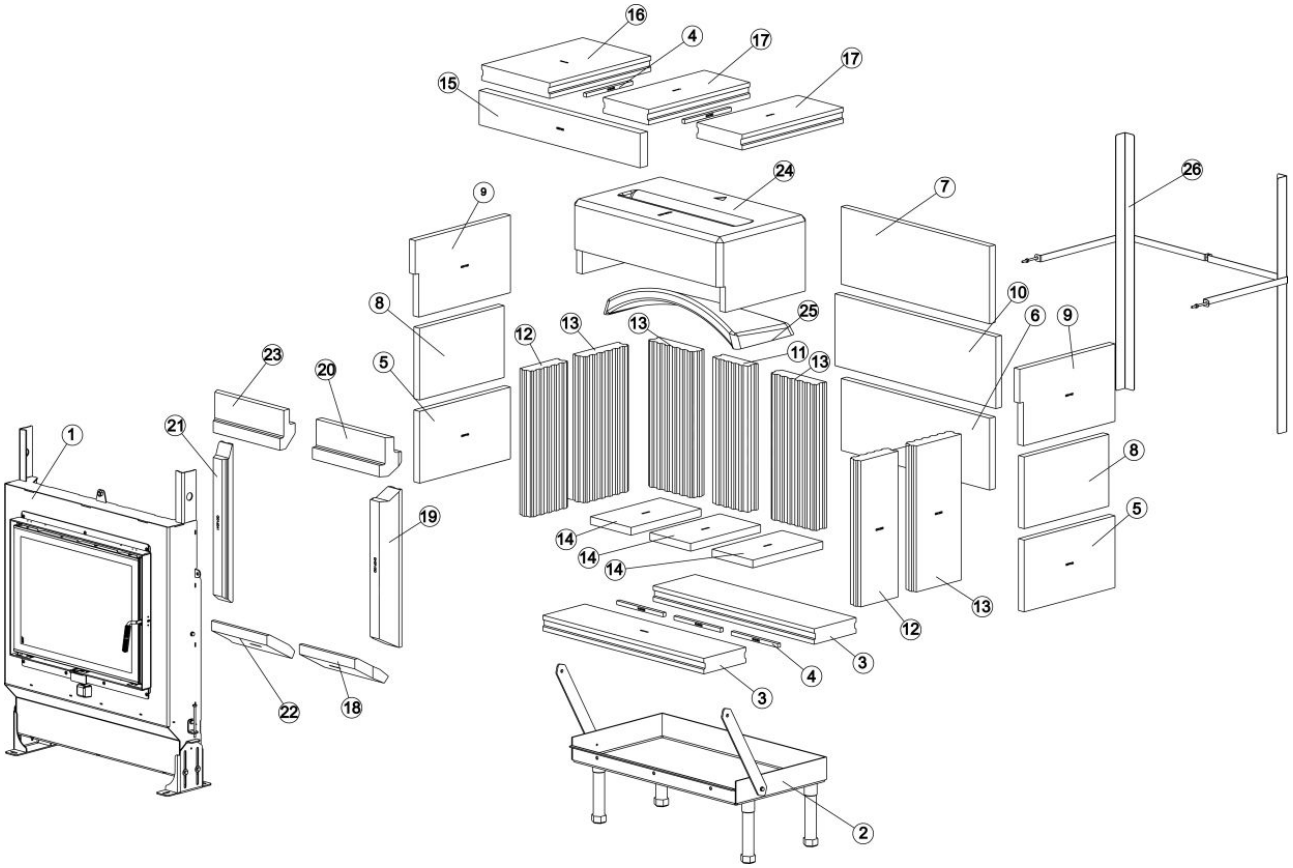
Short **instructions**

# Masonry heater firebox GOF 66x42 with door GOT 51/67-ZL

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BRUNNER®

**Components GOT 51/67-ZL with GOF 66x42**




| Item | Part no. | Designation | Item | Part no. | Designation |
|---|---|---|---|---|---|
| 1 | G015008 | GOT door assembly 51-67 ZL | 2 | G015017 | Support frame assembly 66x42 |
| 3 | G015030 | Base stone 850x222x60 | 4 | G013121 | Spring |
| 5 | G019126 | External plate 278x480x30 | 6 | G015106 | External plate 278x784x30 |
| 7 | G015104 | External plate 300x784x30 | 8 | G019126 | External plate 278x447x30 |
| 9 | G017102 | External plate 300x503x30 | 10 | G015105 | External plate 278x850x30 |
| 11 | G013006 | Back wall stone 565x185x62 | 12 | G013002 | Sidewall stone 565x204x62 |
| 13 | G013001 | Sidewall stone 565x244x62 | 14 | G015035 | Combustion chamber bottom 370x180x30 |
| 15 | G015031 | Front stone | 16 | G017095 | Base stone 360x534x60 |
| 17 | G017096 | Base stone 240x534x60 | 18 | G015021 | Right side wedge |
| 19 | G016040 | Right front wedge | 20 | G015022 | Right front wedge top |
| 21 | G016041 | Left front wedge | 22 | G015041 | Left side wedge |
| 23 | G015042 | Left front wedge top | 24 | G015026 | ISO hood 66x42 |
| 25 | G015034 | Deflector plate 66x42 | 26 | G015023 | Tensioning bracket assembly GOF 66x42 |

The outer stones are clayed with Brunner Universal 600 mortar.

The stones of the firebox are processed with FM1300 mortar.

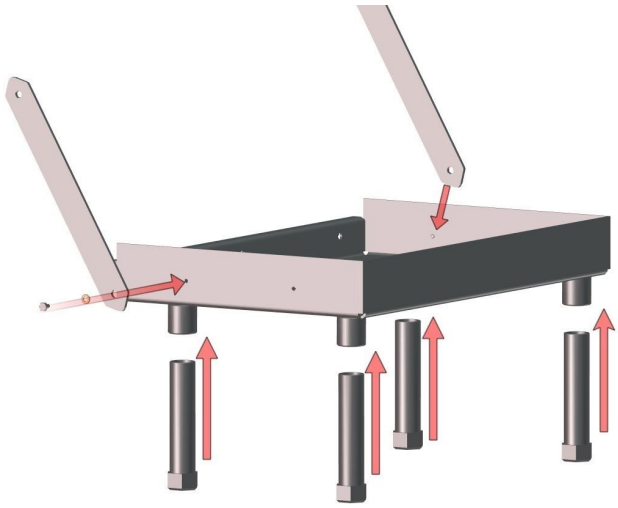
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# ASSEMBLY STEPS

NOTE: All necessary mounting screws are already installed in the components.

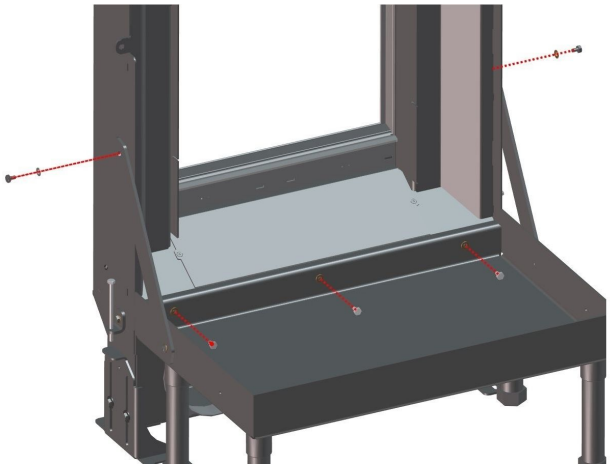
These instructions show the assembly of a masonry heater firebox with flat door as an example. The instructions are valid for all masonry heater fireboxes with flat doors.

**1**



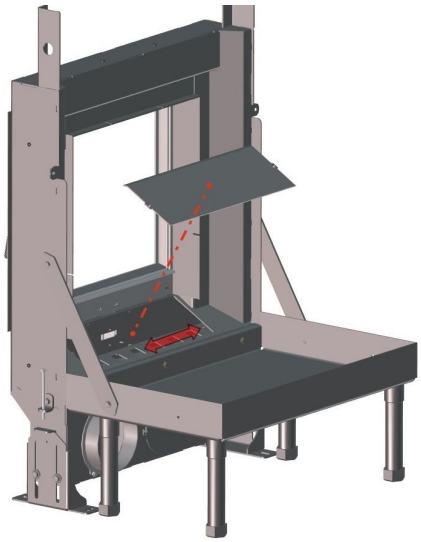
Mount the 4 feet of the support frame and the gussets on the support frame.

**2**



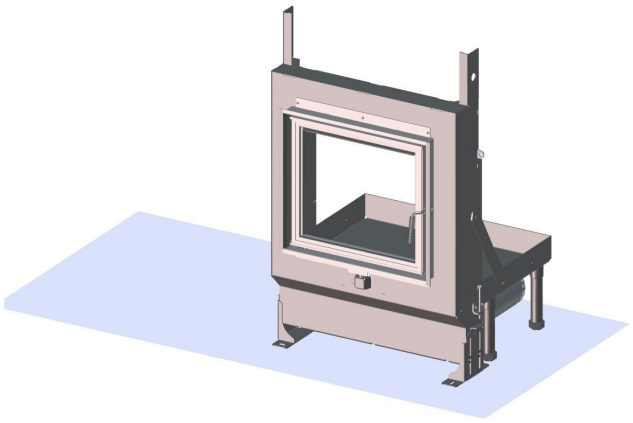
Combine the support frame with door unit. Bolt the support frame with the door unit together.

**3**



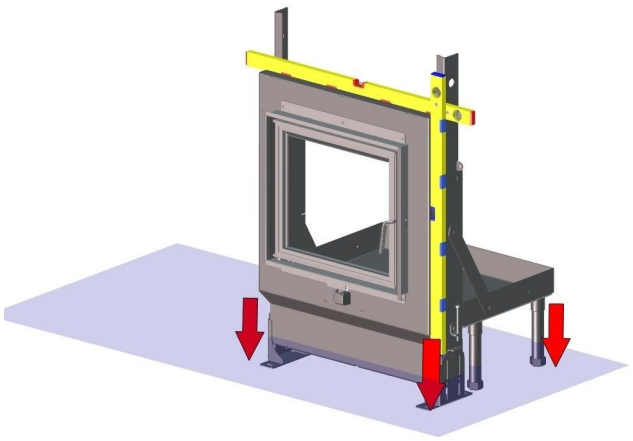
Check the air inlet sliding bar for function and ease of movement. (ATTENTION: air inlet sliding bar is not present in EAS models).

**4**



Draw the outline of the planned stove structure on the site of installation.

**5**

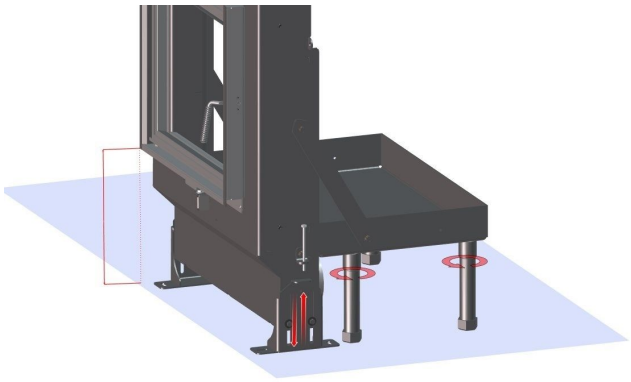


Position the masonry heater door and adjust to level.

HINT: Use a counterweight in the rear part of support frame to avoid from accidental tipping over.

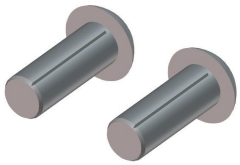

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**6**



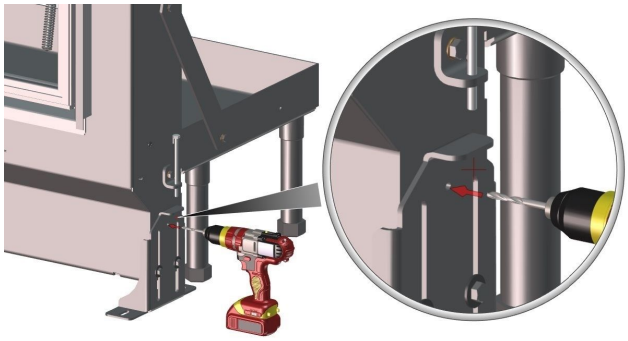
Adjust the variable height (fine adjustment) to the lower edge of door frame (at the same time on the floor mounting brackets and the feet of support frame) and adjust to level.

**7**



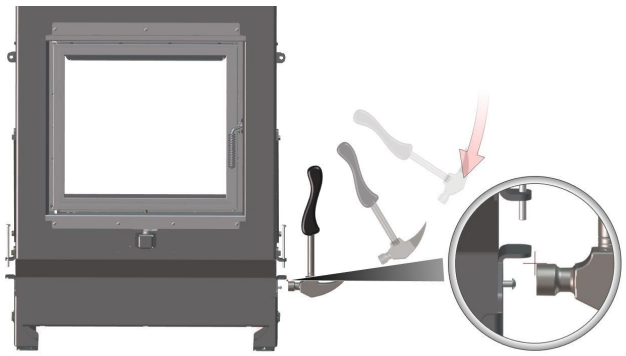
Prepare rivets. Two necessary rivets are attached in a separate pack.

**8**



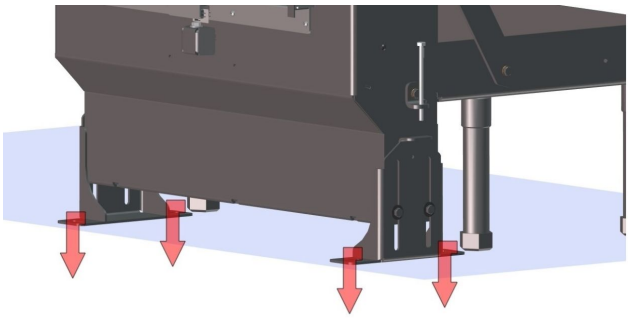
Using a 6 mm drill and a drilling jig which is already present on the feet, drill a hole through the air duct (left and right side).

**9**



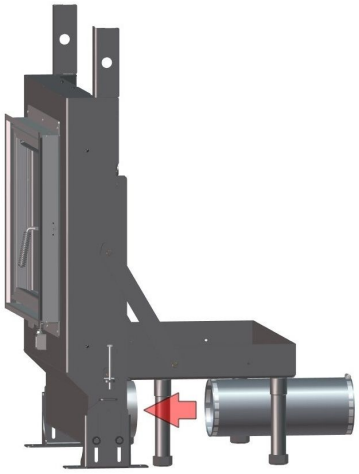
Drive the rivets into the holes with a suitable hammer. This is to secure the connection between the floor mounting brackets and the air duct part.
It will keep the whole stove unit from slow "descending" with time.

**10**



Attach the whole unit to the ground, using the four possible mounting points on the floor mounting brackets. (dowels or heavy duty anchors are not included)

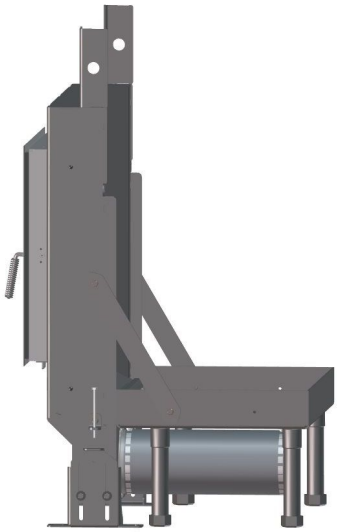
**11**



Connect the combustion air nozzle (D 160mm) with the combustion air supply hose.

ATTENTION: Air supply hose is not included in standard delivery contents.

**12**

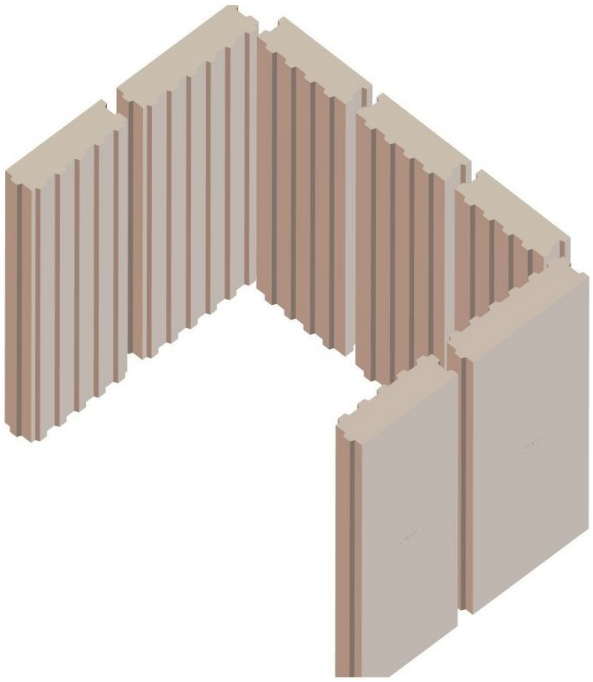


ATTENTION: for EAS models - connect the air supply flap actuator and the necessary wiring according to EAS installation guide. Secure the hose clamp!


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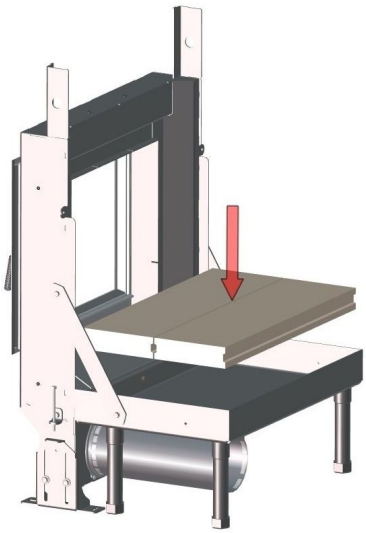
## Assembly of ceramic parts

**13**



We recommend to lay out all combustion chamber parts on the floor before assembly. Doing so, it is easier to find the necessary gaps for compensation of dimensional tolerances between parts.

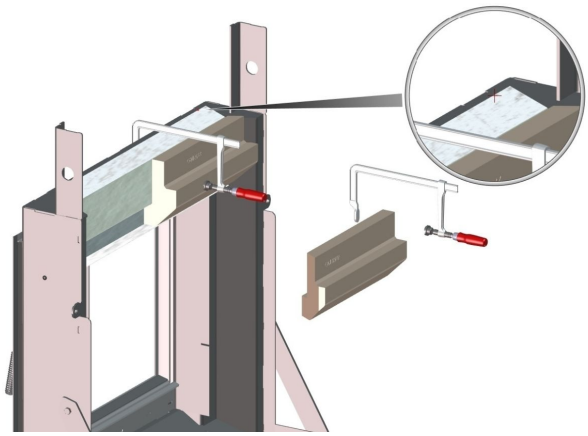
**14**





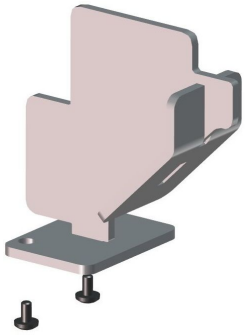

Embed the base stones inside the support frame onto a thick layer of FM 1300 firebox mortar. (Mortar thickness approx. 6 mm)

**15**



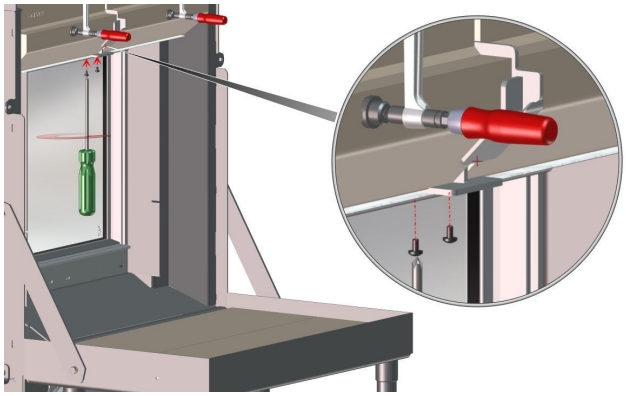
Set the stones around the door. Cut the ceramic fiber mat to proper length and put inside the door frame.
The strap of ceramic fiber mat must protrude approx. 2 cm (0.79 inch) at the top/front (see picture). Front top wedges (left/right) are placed loose in the upper section and affixed with screw clamps.

**16**



The stainless steel element (deflector plate holder)…

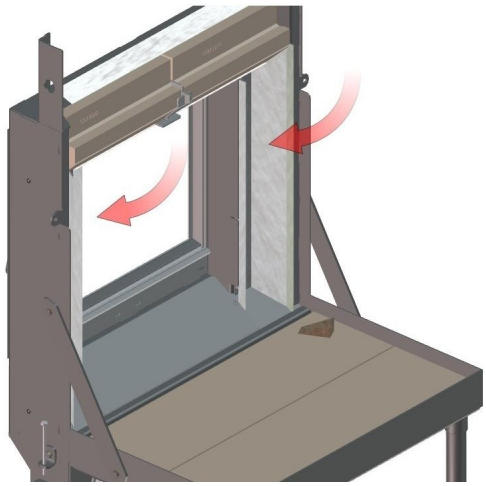
**17**



…is attached to the upper air duct with 2 screws. This will hold both front wedges in place too.

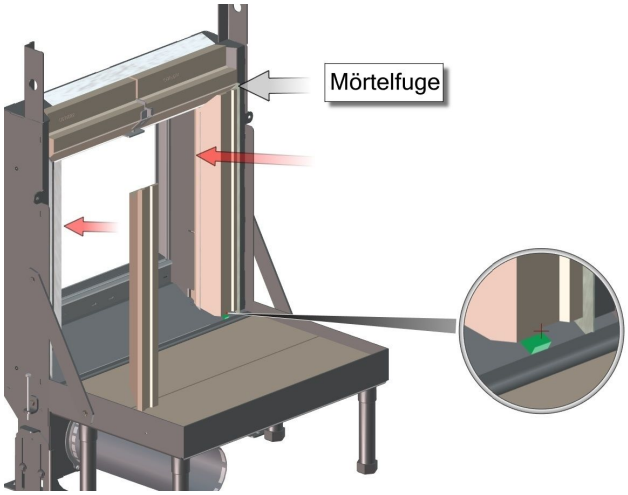

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**18**



Put ceramic fiber mats on the left/right side.

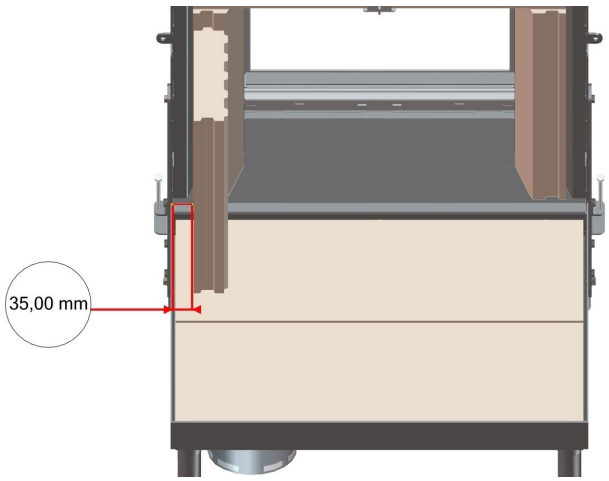
**19**




Insert left/right front wedges. Fold the fiber mats inwards. On the contact faces to the top front wedges affix with FM 1300 mortar.
At the same time put a piece of wood under front wedges. This is to secure the front wedges in place, until the side wall stones will serve this function.

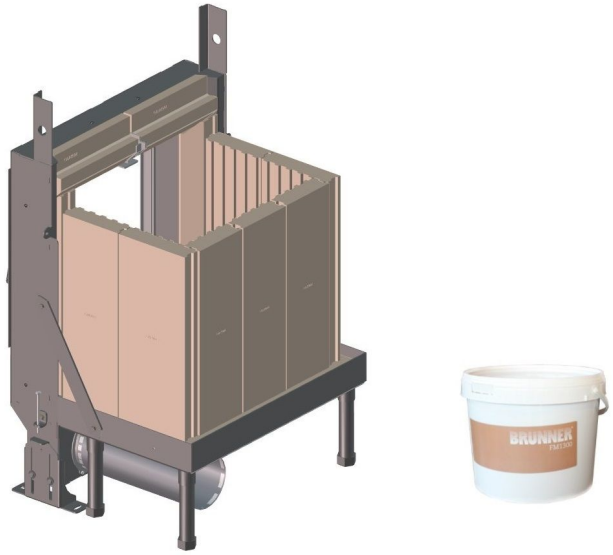
**Assembly of combustion chamber interiors**

**20**




Start always with the first side wall stone from one of the two front wedges and continue until the second front wedge is reached.
ATTENTION: the combustion chamber parts must be placed with a distance of at least 35 mm (approx. 1.37 inch) from the edge of support frame, to allow for positioning of external plates (30 mm thick).

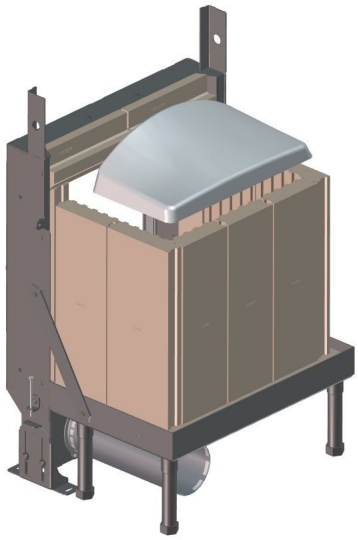
**21**



The stones are attached to each other with the FM 1300 mortar on the whole area of their contact faces.
HINT: Excessive mortar must be removed clean from the visible areas of combustion chamber.

**Placing of deflector plate and ISO hood**

**22**



Put the deflector plate in place without using mortar and adjust its position.

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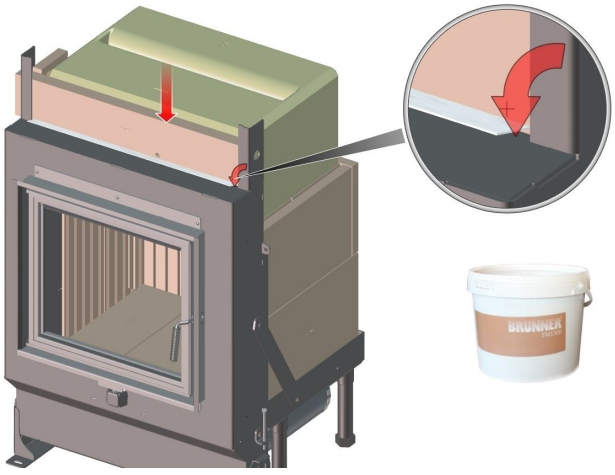
**23**




Set the ISO hood onto a thin equalizing stripe of FM 1300 mortar. (Attention: The deflector plate must remain free.)

**Assembly of external shell (39 mm thickness)**

**24**



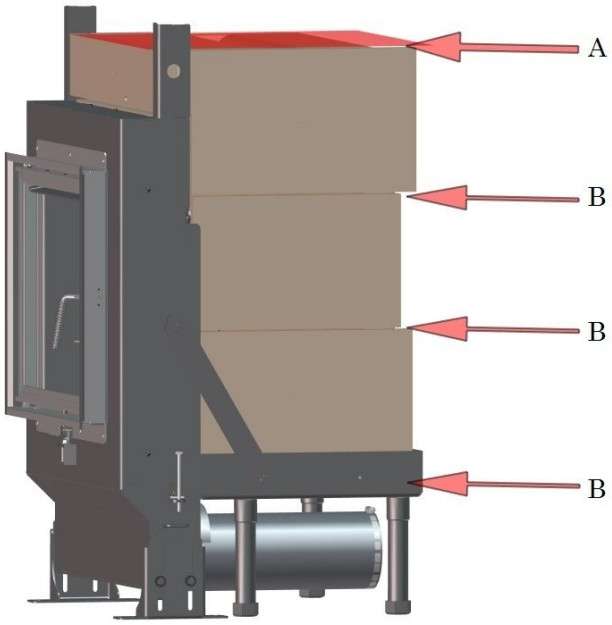

Fold the protruding piece of fiber mat on the air duct, to prevent from any direct contact between metal and fireclay. Now set the external front stones onto the 2-piece front top wedge with FM 1300 mortar.

**25**



ATTENTION: The upper edge of front stone must be in level with the ISO hood. Not lower! The top cover plates must rest onto the upper edge of front stone and the external shell plates, not on the ISO hood.

**26**




It is important to choose the right joint thickness, to ensure that the external plates will finally reach the same level as the upper edge of front stone.
A = the same level here around the whole circumference
B = mortar thickness ?

**27**






To ensure a double-layer structure, it is necessary to avoid any undesired adhesive connection between the internal and external shell by putting thin pieces of cardboard between them. This separating cardboard is removed at the end.

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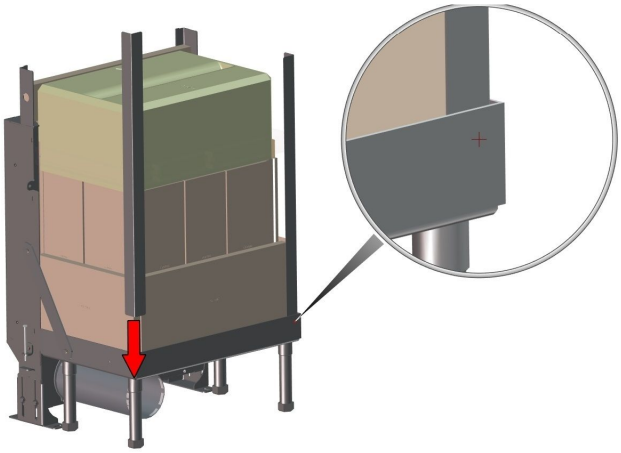
**28**





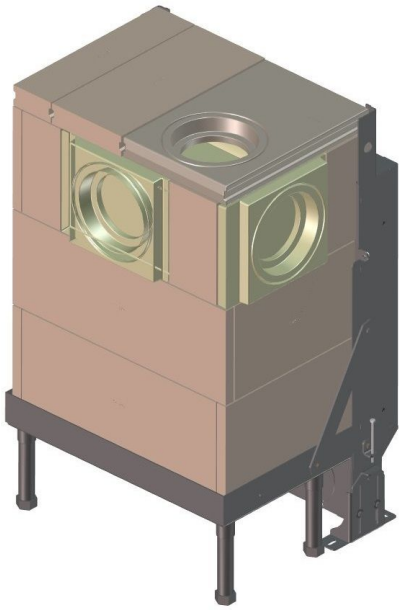

Attach the external plates to each other by applying a stripe of Universal 600 mortar on their contact faces. In the base area, set on a mortar joint too.

**29**



HINT: After setting the first row, the angle bars are fitted temporarily just to check if they fit in. Excessive mortar should be removed now.

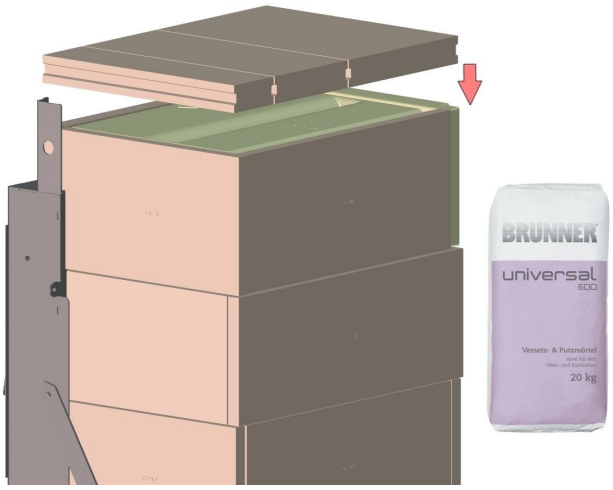
**30**





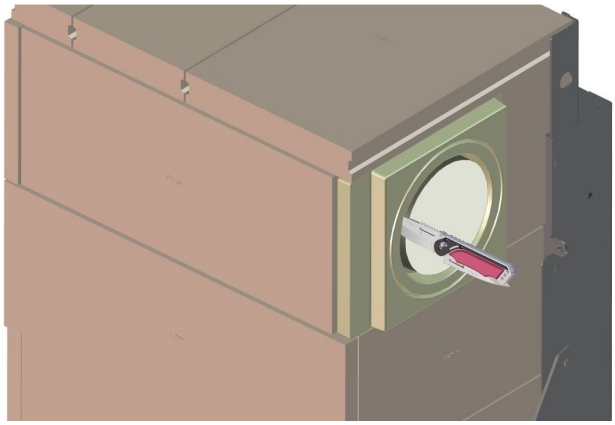

The outlet connecting block must be integrated into the external shell as planned - on side, top or rear. Depending on its position, it may be necessary to adapt the length of an external shell plate. The outlet connecting block is attached to the external shell with Universal 600 mortar.

**31**



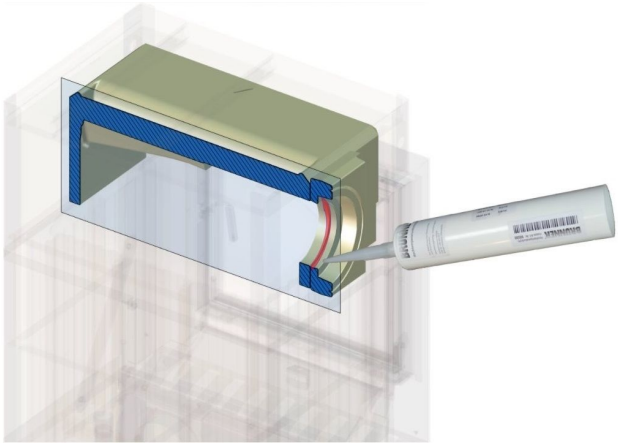

The top cover plates are now attached to the external shell plates with the Universal 600 mortar. The ISO hood stays dry underneath.

**32**



Through the outlet connecting block cut a hole into the ISO hood with a saw blade or knife. Hint: avoid unnecessary dust, if possible. Use a vacuum cleaner.

**33**



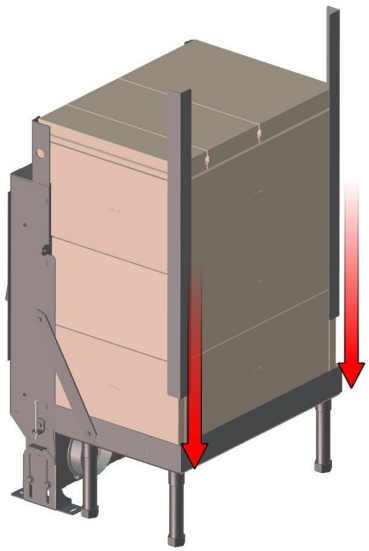
IMPORTANT!

The gap between the outlet connecting block and the ISO hood must be filled with the attached high-temperature sealing paste (cartridge).

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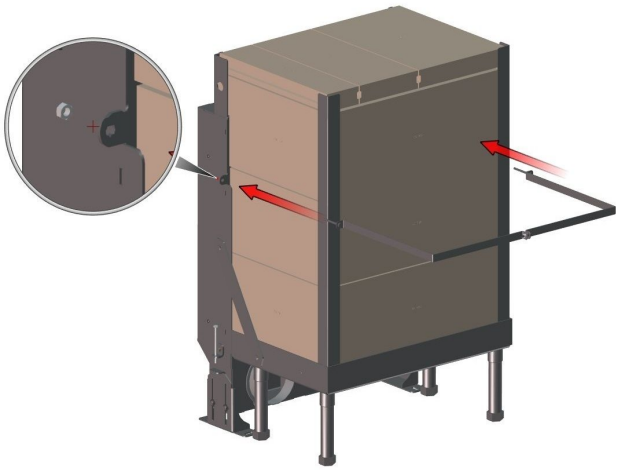
## Mounting of tensioning bracket

**34**



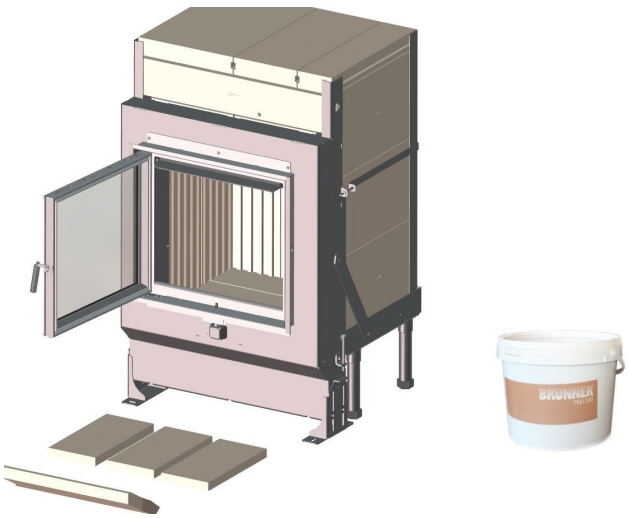
The angle bars are fitted into the rear corners of the support frame.

**35**



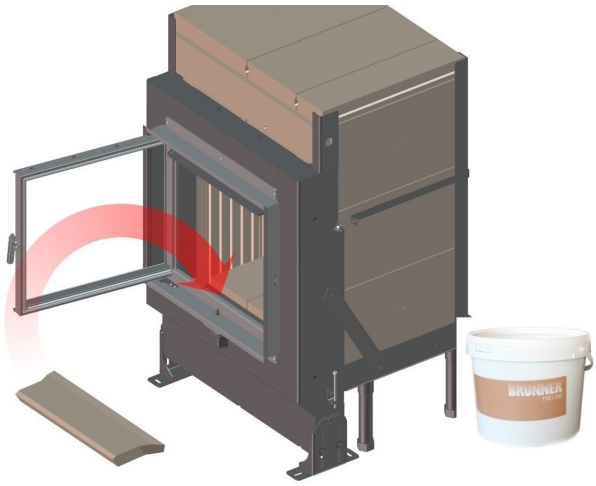
Tensioning bars are placed around the firebox and angle bars and attached with screws at the front mounting positions near door.

**36**



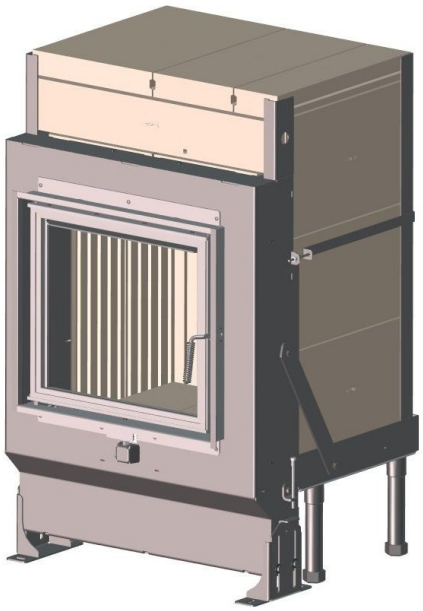

Sweep the combustion chamber clean before setting the bottom stones. Place these stones onto the FM 1300 mortar and fill the gaps between them.

**37**



Insert the wedge stone above the cover of air inlet sliding bar. It is recommended to put this wedge stone without using mortar or by applying only small dots of mortar and grouting the joints if necessary, in order to allow for future access to the air inlet sliding bar mechanism.

**38**



Done!

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