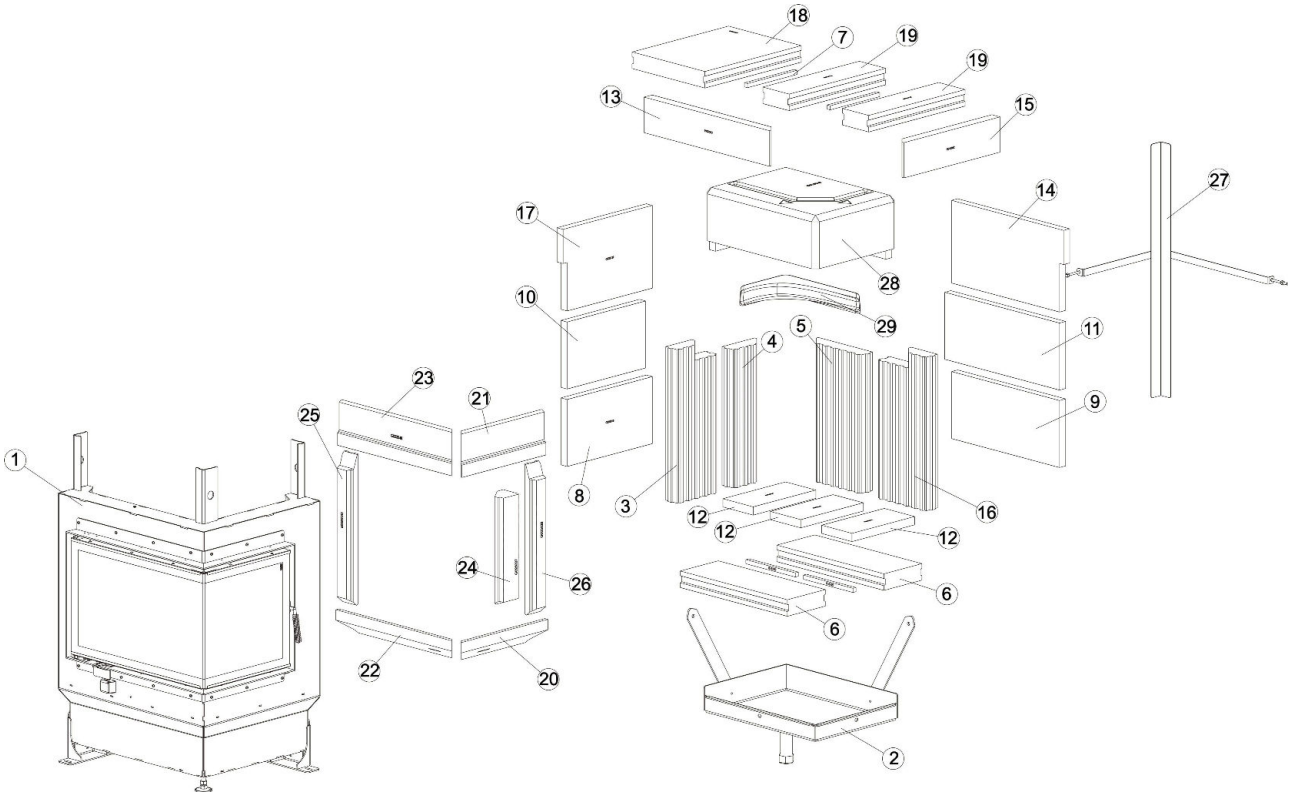
Short **instructions**

Masonry heater firebox 50x35 with GOT Eck 45/67/44-ZL - R

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Components of GOT Eck 45/67/44-ZL - R with GOF 50x35



Item	Part no.	Designation	Item	Part no.	Designation
1	G025015-01 /-02 /-05 /-06	GOT door assembly 45-67-44 ZL-R	2	G023068	Support frame assembly 49x35
3	G025023	Sidewall stone 557x204x62	4	G025022	Corner stone 45° 502x168x62
5	G025025	Corner stone 45° 502x275x62	6	G023059	Base stone 530x188x60
7	G013121	Spring	8	G025018	External plate 243x422x30
9	G025021	External plate 243x534x30	10	G025019	External plate 243x388x30
11	G025020	External plate 243x568x30	12	G023069	Combustion chamber bottom 310x150x30
13	G023063	Front stone 629x129x40	14	G023126	External plate 300x554x30
15	G018062	Front stone	16	G025024	Sidewall stone 557x244x62
17	G023129	External plate 300x442x30	18	G023123	Connecting piece for vertical smoke pipe
19	G023122	Base stone 477x130x60	20	G018033	Wedge stone
21	G018034	Front stone top	22	G023049	Wedge stone long
23	G023048	Front stone top long	24	G025027	Right front wedge
25	G025029	Left front wedge	26	G025028	Right front wedge
27	G023030	Tensioning bracket assembly GOF 50x35	28	G023040	ISO hood
29	G023041	Deflector plate			

The outer stones are clayed with Brunner Universal 600 mortar.

The stones of the firebox are processed with FM1300 mortar.

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FIREBOX ASSEMBLY STEPS

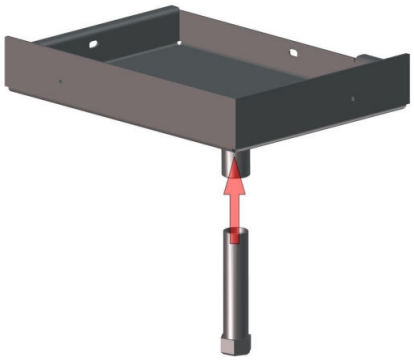
NOTE: All necessary mounting screws are already installed in the components.

These instructions show the assembly of an Eck (corner) masonry heater firebox as an example. The instructions are valid for all Eck masonry heater fireboxes.

When the place of installation (e.g. in a corner or recessed space) does not allow the here described assembly sequence, the assembly steps must be adapted to the given situation. This applies especially for the combustion chamber components assembly steps. In such situation it may be required to start with the external wall plate first and then insert the combustion chamber parts alternatively through the door or from above. The angle bars and tensioners must be considered too (see below).

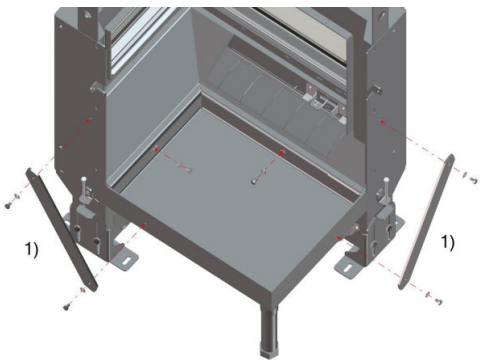
Important note: The height of the external wall must be considered already at this point, to ensure that the ISO hood can be installed without contact under the top cover plates. Pay attention with GOT 38/86/36 and GOT 45/101/40 variants (see Exception for wedge stone installation)

1



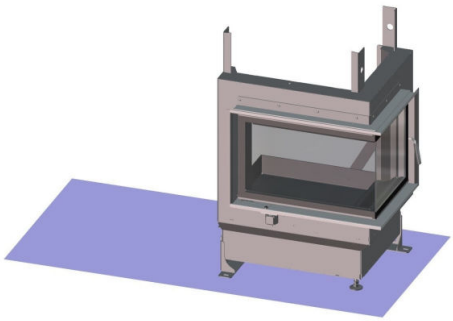
Mounting of support frame. Insert the leg of support frame.

2



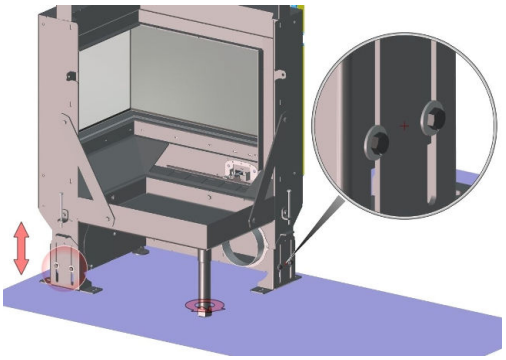
Combine the support frame with the door unit. Attach the gussets.

3



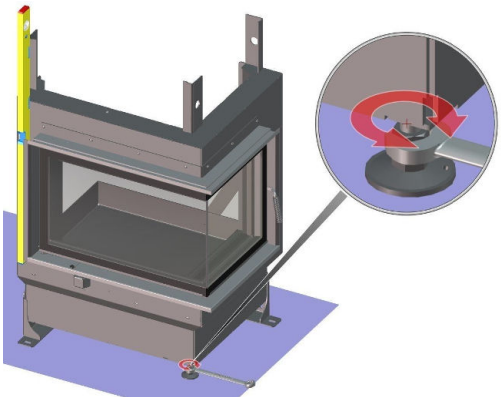
Draw the outline of the planned stove structure on the site of installation. Put the masonry heater door in desired position.

4



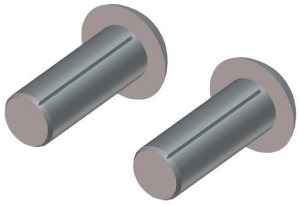
Fine adjustment of installation height of the door frame on the floor mounting brackets...

5



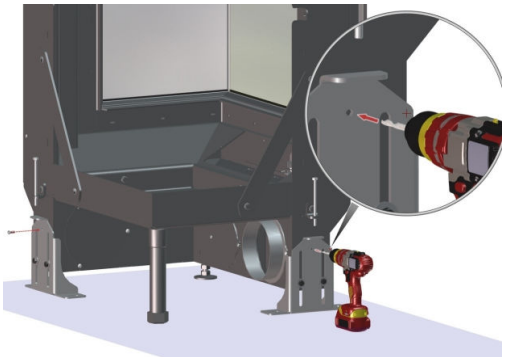
and on the adjustable feet.

6



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

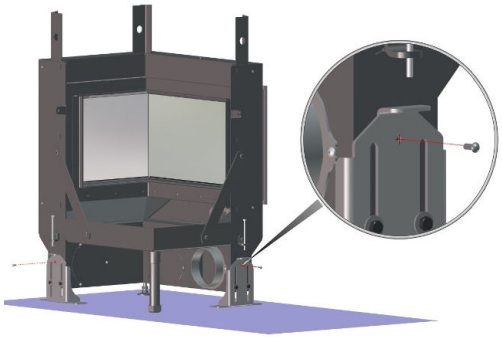
7



Use the provided drilling jig on each foot to drill a hole through the air duct with a 6 mm drill.

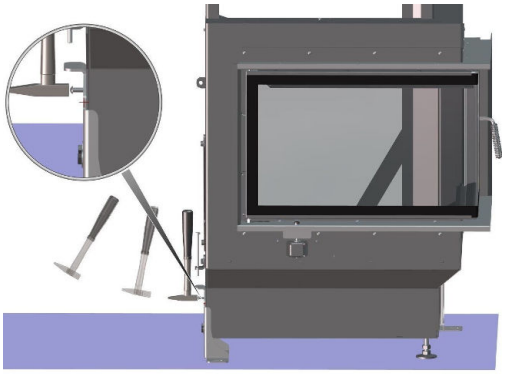
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8



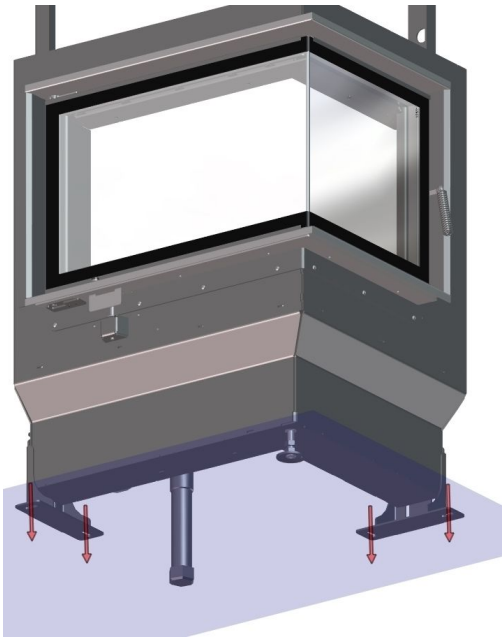
The rivets will keep the whole stove unit from slow "descending" with time.

9



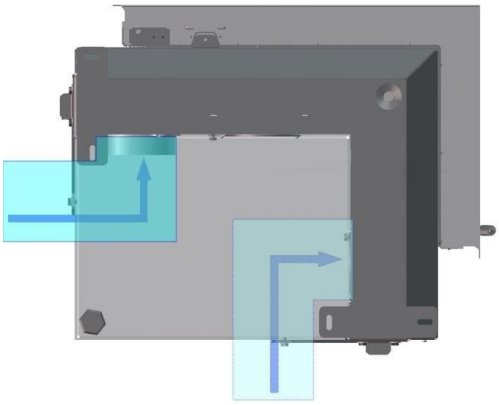
Drive the rivets into the holes with a suitable hammer. This is to secure the connection between the floor mounting brackets and the air duct part.

10



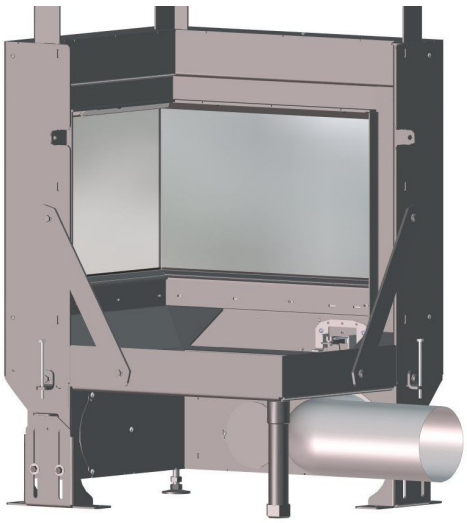
The masonry heater door can be attached to the ground, using the four possible mounting points on the floor mounting brackets. Dowels or heavy duty anchors are not included.

11



Install the air supply duct (160 mm) in desired position.

12

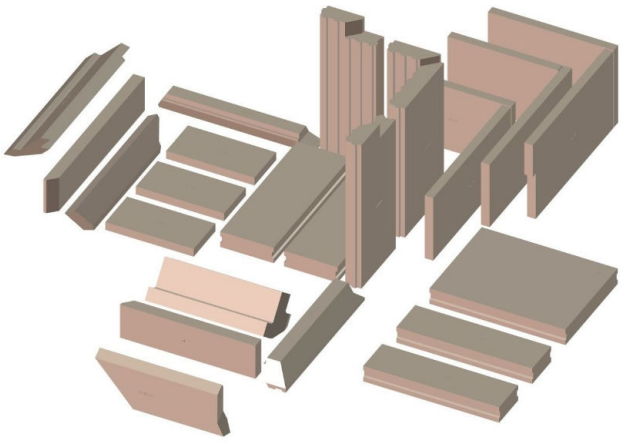


Secure the hose clamp.

Attention - for EAS/EAS: Connect the air supply flap actuator and the necessary wiring according to EAS/EOS installation guide. Special features: Thermocouple installation, see Appendix below.

Combustion chamber assembly

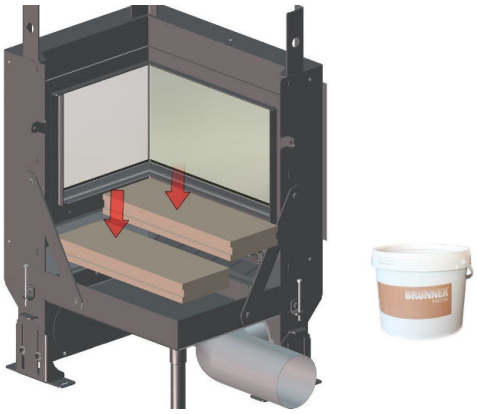
13



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.

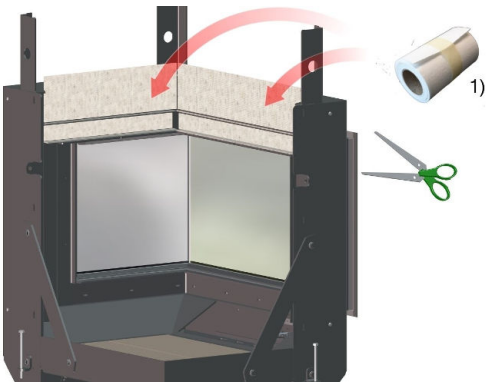
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14



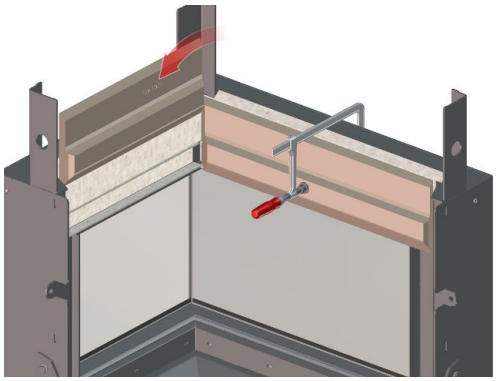
Embed the base stones inside the support frame onto a thick layer (approx. 6 mm) of FM 1300 firebox mortar.

15



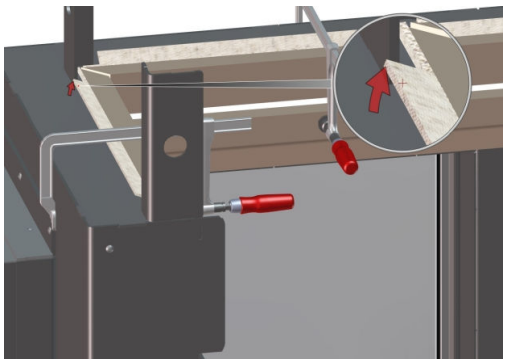
Set the stones around the door: Cut the ceramic fiber mat to proper length and put inside the door frame. The strap of ceramic fiber mat must protrude approx. 2 cm (0.79 inch) above the air duct at the top/front (see assembly step 17).

16



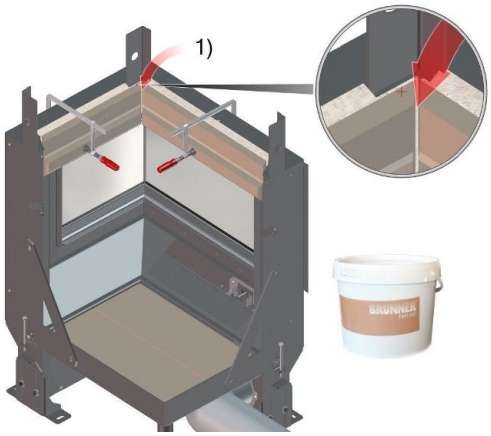
The inner front stones (left/right) are placed loose in the upper section and attached with screw clamps.

17



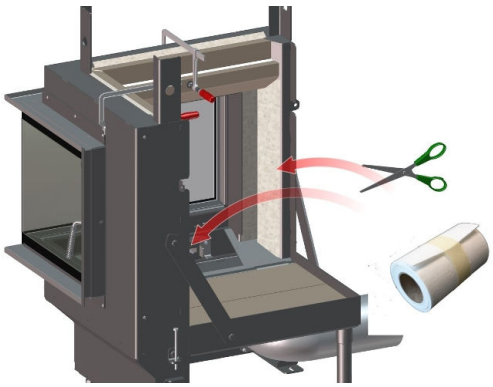
The protruding ceramic fiber straps must be folded to the front.

18



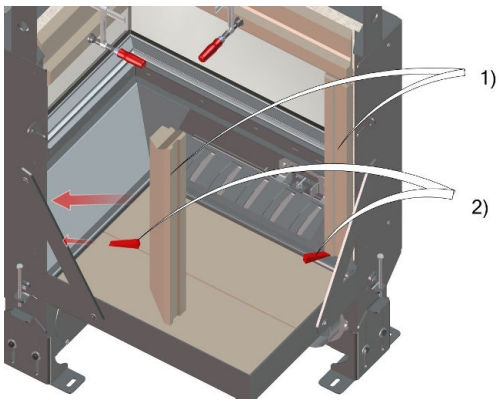
Use the FM 1300 mortar to bind the stones on their contact faces.

19



Cut the ceramic fiber mat to prepare liners for the lateral front wedges and put the liners in place.

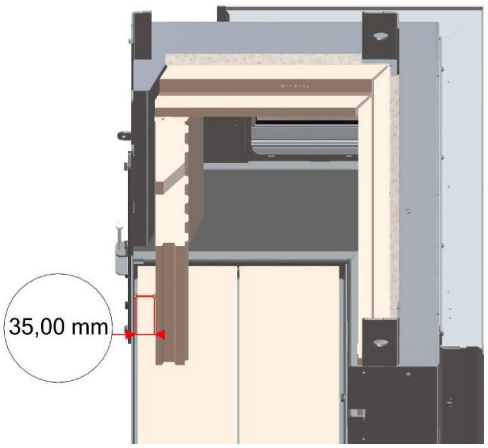
20



Insert the left/right front wedges "1)". 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 "2)". This is to secure the front wedges in place, until the side wall stones will serve this function.

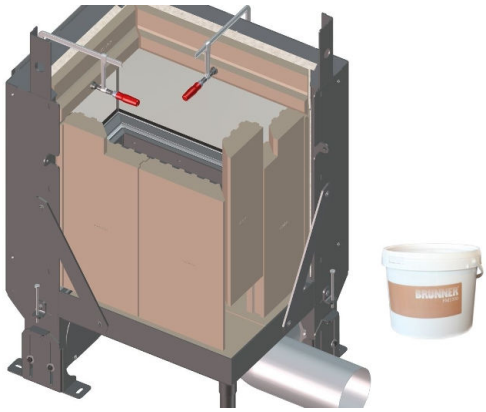
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21



Caution: 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). Hint: Excessive mortar must be removed clean from the visible areas of combustion chamber.

22

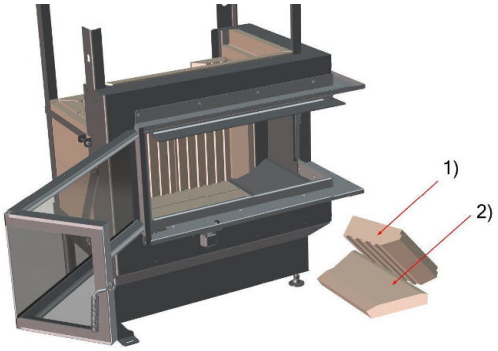


The combustion chamber parts are affixed with the FM 1300 mortar on the whole surface of their contact faces.



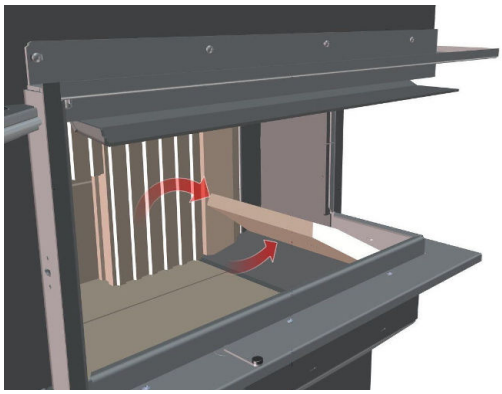
Attention - Special case for GOT 38/86/36 and GOT 45/101/40 variants

23



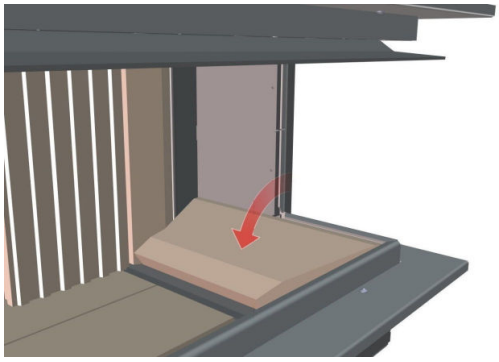
Here, after the combustion chamber parts, the short bottom wedge "1)" must be placed first, then the lateral wedge "2)" must be put in place.

24

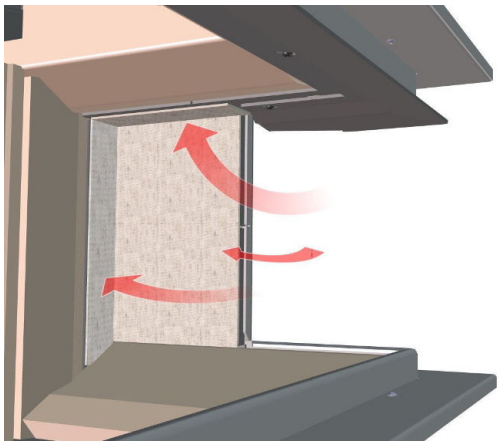


The bottom wedge must be affixed with FM 1300 at the bottom "1)" and on the contact face to the "2)"

25

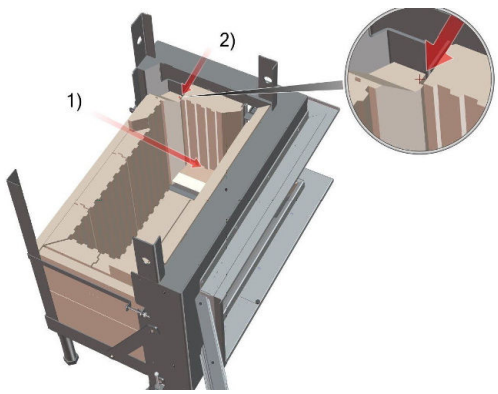


26



Use ceramic fiber straps as liners for covering the metal parts.

27



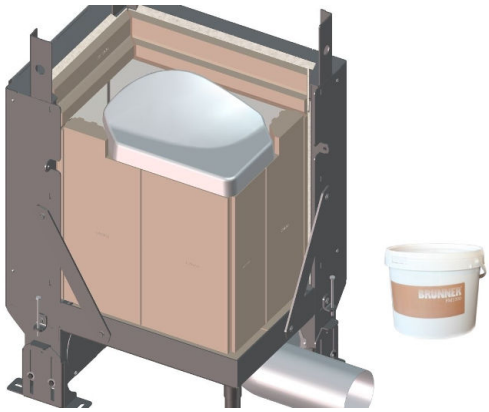
Affix the lateral wedge on the possible contact faces "1)" and "2)" with the FM 1300 mortar.

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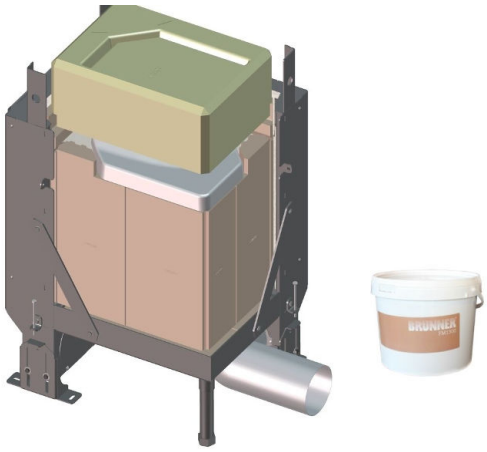
The following steps are valid again for all masonry heater kits.

28



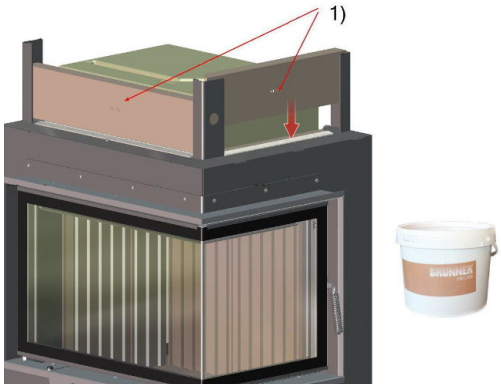
Put the deflector plate in place without using mortar and adjust its position.

29



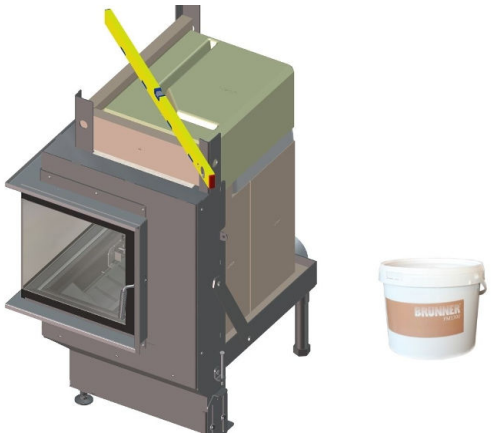
Set the ISO hood onto a thin equalizing stripe of FM 1300 mortar.

30



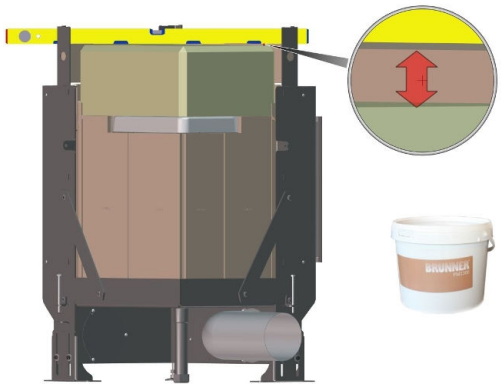
Fold the protruding piece of ceramic fiber mat on the air duct, to prevent from any direct contact between metal and fireclay. Now, set both front stones "1)" with FM 1300 mortar.

31



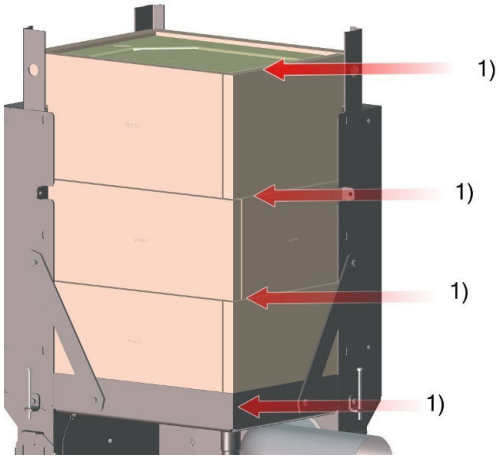
Caution: The top of front stones level should be slightly higher than the ISO hood.

32



A small free space (at least 1 mm) must be left between the top cover plates and the ISO hood.

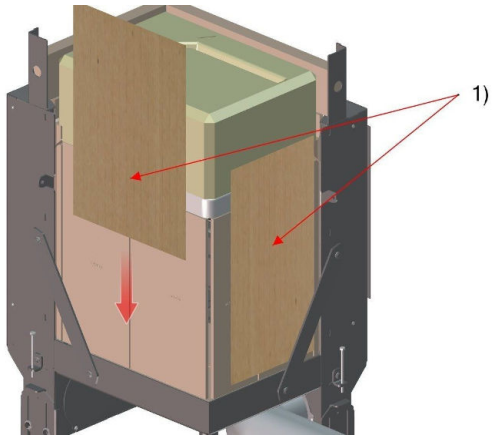
33



Important note: The gaps between the external plates "1)" must be chosen in such a way, to ensure that the external plates will finally reach the same level as the upper edge of front stones.

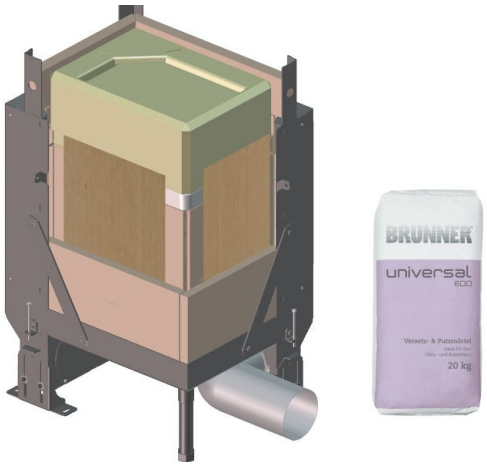
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34



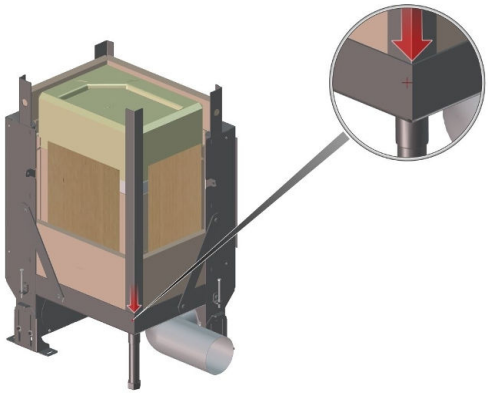
To ensure a double-layer structure, it is necessary to avoid any undesired adhesive connection between the internal and external shell by putting thin pieces of cardboard "1)" between them. This separating cardboard is removed at the end.

35



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.

36



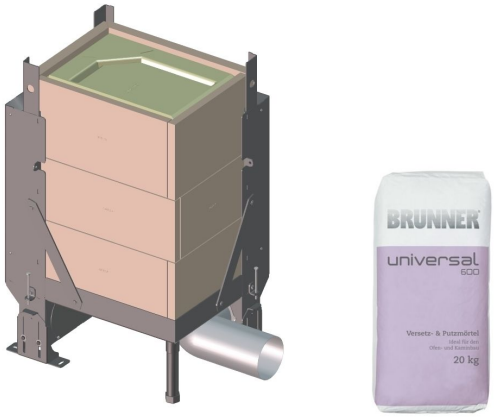
Remove excessive mortar between the external wall plates and the support frame, to ensure that the angle bars will fit at the end.

37



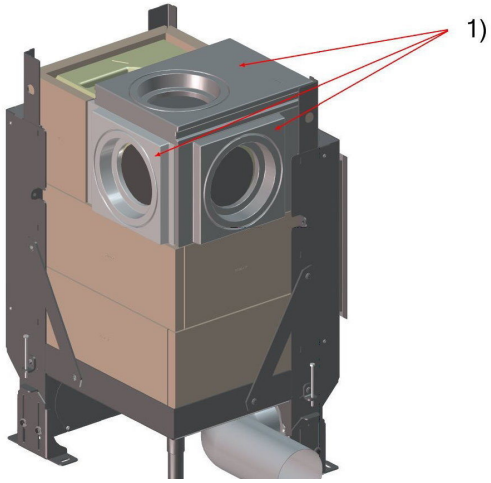
Set the external wall plates with Universal 600 mortar.

38



The external plates should be bonded like bricks.

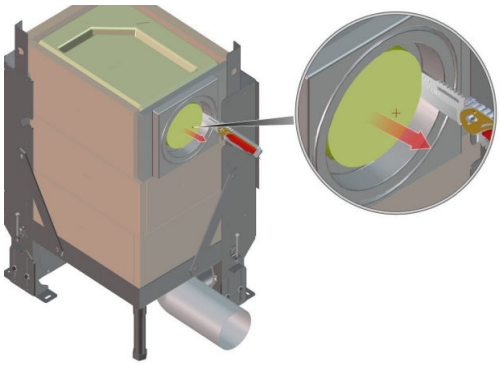
39



The outlet connecting block can be integrated alternatively "1)" into the external shell - on side, top or rear - as planned. The outlet connecting block is attached to the external shell with Universal 600 mortar.

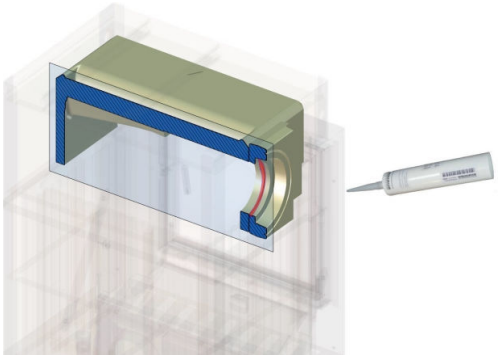
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40



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.

41



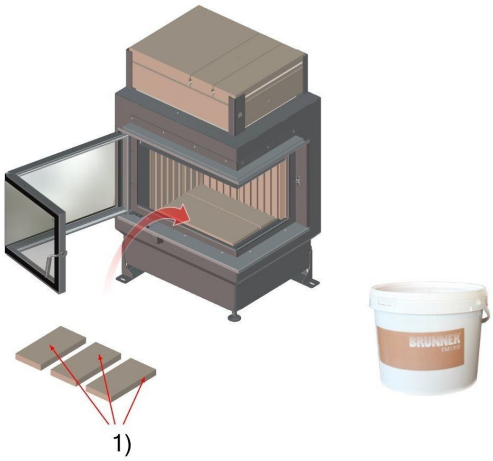
Important! The gap between the outlet connecting block and the ISO hood must be filled with the attached high-temperature sealing paste (cartridge).

42



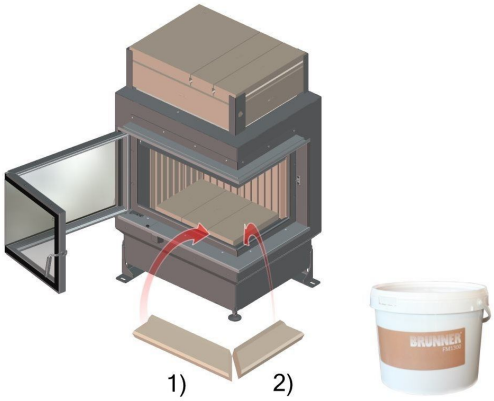
The top cover plates are now attached to the external shell plates with the Universal 600 mortar. The ISO hood stays dry underneath.

43



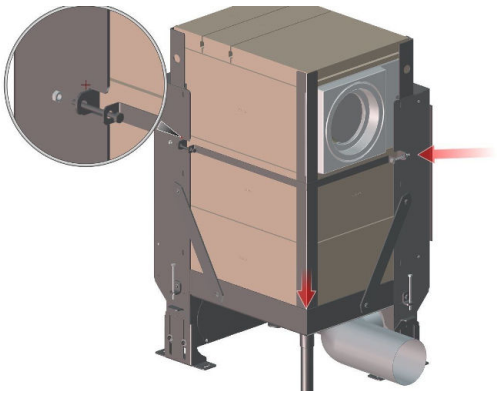
Sweep the combustion chamber clean before setting the bottom stones "1)". Place these stones onto the FM 1300 mortar and fill the gaps between them.

44



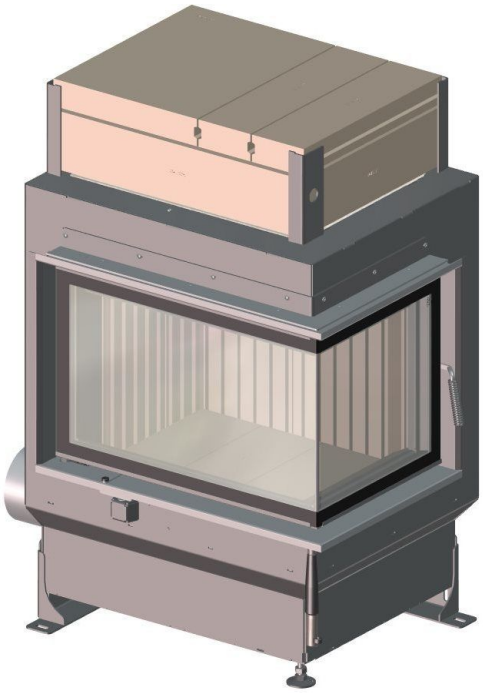
Install wedges "1)" and "2)". It is recommended to put this wedge stone without using mortar or by applying only small dots of mortar and grouting the joints if necessary, in order to allow for future access to the air inlet sliding bar mechanism.

45



Mount the angle bar and tensioning brackets.

46

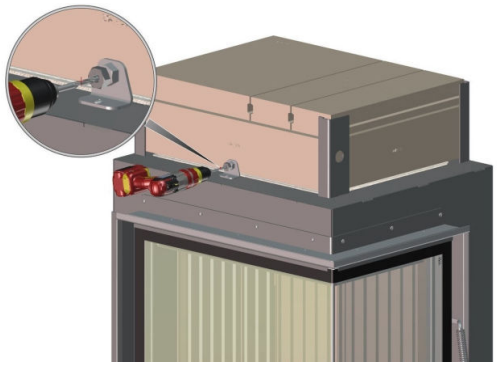


Done!

For EAS/EOS

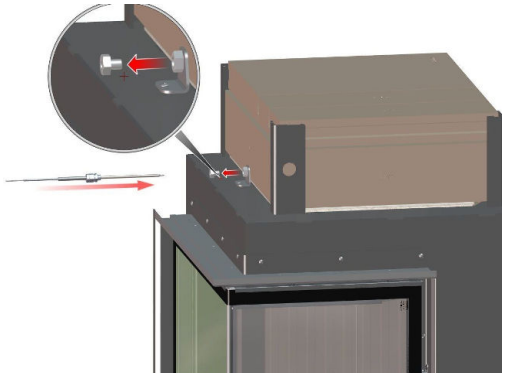
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47



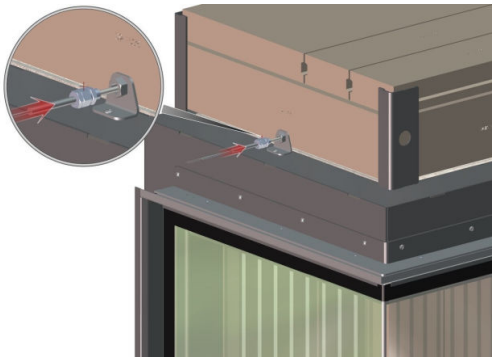
The thermocouple holder is already installed. Drill a hole with a 8 mm masonry drill (do not use the hammer-drill function).

48



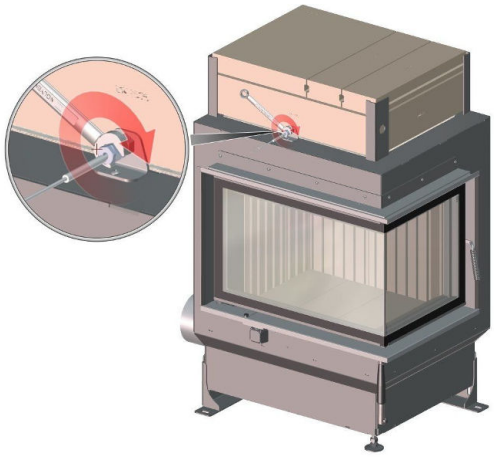
A hexagon nut is used as drilling jig during drilling on the front stone. Remove the drilling jig after the drilling hole is made. The drilling hole must be led through the ISO hood.

49



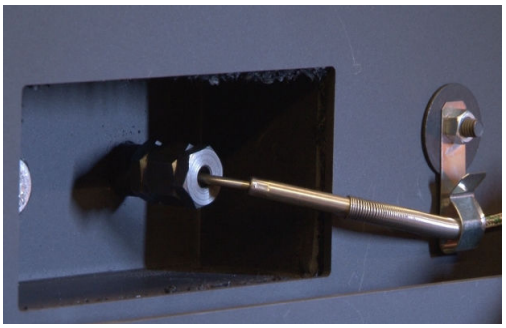
Insert the thermocouple.

50



Tighten the thermocouple nut.

51



The thermocouple can be bent (only once) up to 90 degrees, if necessary.

Ulrich Brunner GmbH

Zellhuber Ring 17-18
D-84307 Eggenfelden
Tel.: +49 (0) 8721/771-0
Fax: +49 (0) 8721/771-100
Email: info@brunner.de

Art.Nr. : 200330

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