

RULES FOR THE CORRECT INSTALLATION OF AN ESSEBLOCK ESSEREI CHIMNEY FLUE

EC Certificate : T600-N1-D-Vm-L20050-G50

AUTHORISED by the Ministry of the Interior (Fire Department)

CHECK – Before installing the ESSEBLOCK ESSEREI ventilation flue to filter EPER 120 – EPER 90 – EPER 60 smoke emissions, you **must** check that the product designation (in accordance with UNI EN 1856-1), cross-section, technical characteristics and anything else necessary corresponds with the chimney flue's intended use, as **required by the standards and fire safety laws and the provisions** laid down in the thermal technician's **plans**.

INSTALLATION: The following instructions must be followed for installation.

POSITION – During installation, follow the planner's instructions for inserting special elements (inspection module etc.). When starting from ground level, it is necessary to prepare an adequate concrete base to support the weight of the ESSEBLOCK ESSEREI chimney flue. If the chimney flue does not start from ground level, you must make a support to hold it up.

The flue can only be installed vertically.

The main flue **DOES NOT** have to have an inspection hatch at ground level. However, if required in the plans, it is possible to add one using the support module.

STABILITY – In order for the ESSEBLOCK ESSEREI elements to remain stable and anchored to the back wall, you must apply some fine mortar between the wall and the flue element. In addition, you must insert a BSA bracket every four free elements. This should be embedded in the internal perimeter of the ESSEBLOCK ESSEREI cement layer and fixed to the wall in a suitable manner (using dowels or wall anchors).

If the ESSEBLOCK ESSEREI flue goes through ceilings or terraces or the likes, it can be anchored perfectly by filling the gap between the outside of the flue and the structure it crosses through with cement. No other anchoring systems are required.

SAFETY – Up to three ESSEBLOCK ESSEREI elements can be placed on a roof without the need for anchoring.

If any part of the ventilation flue passes through smoke-resistant filters or other places with no risk of fire, it is not necessary to enclose it in wall coverings of any type.

JOINTS – The first step is to place the right quantity of fine mortar or glue for tiles or a similar product (as long as it consists of inert materials which in any case must not be combustible: all products that are not fireproof or are combustible are prohibited) along the outside border of the heat-insulating concrete. Join the two modules together. When positioning the various elements of the chimney flue, the part with the smaller diameter (MALE) goes downwards and fits in the part with the wider diameter (FEMALE) which faces upwards. This is to prevent leaks of condensation (follow the arrows on the flue label).

N.B. : - when joining together the various elements, it is important to prevent the mortar or similar product from touching the steel part when squashed down. In addition, it is a good idea to limit the thickness of the mortar to around **0.3-0.5 cm**.

LENGTH – If the distances between the various ceilings are not compatible with the possible size combinations of the B5EL and B3EL elements, it is possible to obtain the desired size by cutting both the lightweight aggregate concrete and the steel on one of the two elements (B5EL or B3EL). The element must be shortened from the cylindrical end (with the steel part that sticks out), taking care to leave a 4.5 – 5 cm strip of steel outside the concrete. This does not jeopardise the hold of the flue as it is perfectly cylindrical; the tightness is ensured by the precision of the joint.

EXTERNAL FINISH – When installed, the whole ESSEBLOCK ESSEREI column must be given a suitable external finish with overlay, special plaster netting, and, if the flue is outside, it is indispensable for the surface finish to be completed with a coat of waterproof/waterproofing material in order to prevent damp getting inside. The outside part can then be finished with a coat of paint.

In particular, it is important to prevent water leaks when positioning chimney stacks. In addition, waterproofing systems suited to the type of cover must be used to prevent rain water from leaking in from the roof.

MAINTENANCE: - In order to keep the ESSEBLOCK ESSEREI clean and in good working order, at least once a year it is necessary to check that there are no blockages of any type along the flue and in the stack.