



INSTALLATION GUIDE

PAROC® HVAC LAMELLA MAT ALUCOAT FIX



PAROC®

INSTALLATION ON CIRCULAR AND RECTANGULAR VENTILATION AND AIR CONDITIONING DUCTS



STEP 1

Cleaning the insulated surface. Before installing the product, the galvanized ductwork needs to be clean of any dust, glue or grease etc by using an acetone or ethyl acetate solvent. After cleaning wait 5 minutes (or as recommended by the ductwork manufacturer) to allow for drying. Any remaining dirt or cleaning solvent may have an adverse effect when adhering the product to the duct.

STEP 2

Cutting the mat. Cut PAROC® Hvac Lamella Mat AluCoat Fix with a sharp knife to the correct length. The length of the mat can be calculated according to the following equations:

Circular ducts:
 $\pi \times [D + 2 \times \text{thickness of the insulation}]$
 adding a surplus of approximately 2-3 cm.

Rectangular ducts:
 $[2 \times \text{length of the A side}] + [2 \times \text{length of the B side}] + 8 \times \text{thickness of the insulation}$
 adding a surplus of approximately 2-3 cm.



Installation video

Data sheet

PAROC® Hvac AluCoat Tape
 PAROC® AluCoat Tape
 PAROC® Pro Knife XTK003

STEP 3

Installation process. Before installing up the mat, cut any holes required to accommodate branches, tees, inspection hatches, etc. Remove 20-30 cm of the protective self-adhesive foil, then apply to the surface, firmly press the self-adhesive side to the duct. In following steps, again remove 20-30 cm of the foil finish before applying to the duct. Do not remove all foil at once.

STEP 4

Position re-alignment. After the gluing process re-alignment of the mat is not possible.

STEP 5

Mat joints. After applying the product, all joints, seams and exposed edges should be sealed with PAROC® Hvac AluCoat Tape or PAROC® AluCoat Tape. Aluminium tape should be applied with a spatula which aids removal of air bubbles and increases bonding strength.

STEP 6

Extra security. When insulating rectangular ducts, in order to prevent the insulation from sagging, especially on the bottom, it is necessary to additionally use inverted insulated nails, at a minimum of 6 pcs/m². To restore the tightness of the coating, the nail heads should additionally be sealed with PAROC® AluCoat Tape or PAROC® Hvac AluCoat Tape and pressed with the spatula around the perimeter of the plate.

STEP 7

Other recommendations. It is recommended that any additional materials installed over the insulation has appropriate approvals for use in the market, and that the method of their installation complies with the manufacturer's guidelines. During installation, the insulation should not be walked on, as this may cause damage.

Notes:

- The recommended installation temperature is 5 °C to 35 °C
- No correction is possible after adhesion
- All other manufacturer specifications must be observed during installation
- The manufacturer recommends using the product when the temperature of the medium of the insulated installation does not exceed 50 °C due to the adhesive layer.
- The temperature at the interface between the aluminum foil and the wool must not exceed +80 °C.
- Only authorised for indoor use

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