



PAROC Hvac Lamella Mat AluCoat Fix

Fix – easy, fast, flexible.



PAROC® Academy

Lamella Mat AluCoat Fix

PAROC Hvac Lamella mat AluCoat Fix is a self-adhesive lamella mat for thermal insulation of ventilation ducts and equipment.

PAROC AluCoat facing also makes the product suitable for condensation insulation



Lamella Mat AluCoat Fix

- Self-adhesive lamella mat
 - Fast – The self-adhesive layer facilitates quick installation of the insulated surface.
 - Easy – No need to use mechanical fixings.
 - Safe – Fire reaction class, A2 - s1, d0



Lamella Mat AluCoat Fix

- Self-adhesive lamella mat
- Thermal insulation of
 - Rectangular ventilation ducts
 - Ventilation equipment
 - Small containers
- Thickness 20 – 50 mm
- Width 1000 or 500 mm



Lamella Mat AluCoat Fix



- Euroclass A2-s1, d0
- Thermal conductivity
 - 10°C – 0,038 W/mK
 - 50°C – 0,047 W/mK
- Max service temp 50°C
- Thickness 20 – 50 mm
- Works as a vapour barrier*



* All joints and edges need to be taped with a suitable aluminium tape

Installation instructions

Mounting PAROC Hvac Lamella Mat AluCoat Fix on circular and rectangular ducts.

- 1** The surface should be clean and dry before application. Grease and dust must be removed.
- 2** Cut PAROC Hvac Lamella Mat AluCoat Fix with a sharp knife to the appropriate 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.
- 3** Before gluing the mat, holes for all types of protrusions on the duct must be cut out (fittings, valves, tees, inspection hatch, etc.).
- 4** Remove the protective sheet from the glue surface, firmly press the self-adhesive side to the duct.

- 5** After applying the product all joints and edges shall be taped with aluminium tape.
- 6** It is absolutely necessary to use additional securing for the insulation (e.g. metal or plastic bands) in all places where adhesion could be compromised. Be careful not to break the AluCoat foil when applying the additional securing.
- 7** To prevent the insulation from hanging, particularly in the bottom sides of large rectangular ducts, it is recommended

to use additional mechanical fixings (e.g. welded pins). In order to have an effective vapour barrier, penetrations caused by the additional fixings should be sealed with aluminium tape.

NOTE:

- The recommended ambient temperature range for the installation is 5 - 35°C.
- It is difficult to adjust a mat once glued.
- To walk on the insulation may result in its damage.
- Maximum operating temperature of the installation should not exceed 80°C
- If the product is installed outdoors, additional cladding is required
- It is recommended that all additional materials used for installation have appropriate certificates, and are installed according to the producer's guidelines.