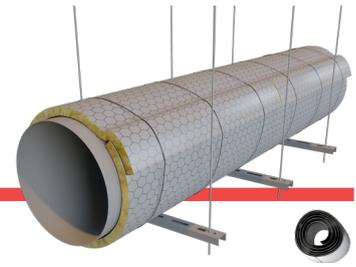


AF FIREGUARD 3



Flexible fireproof cushion for air supply ducts

DESCRIPTION

AF FIREGUARD 3 is a flexible protection certified under EN 1366-1 to guarantee a **EI 120/180** performance for metal duct penetrations exposed to external fire.

The product is a rock wool cushion quilted on a metal mesh. The exposed side is covered with a wire aluminium foil, while the internal side has a glass wool fabric treated with an ablative product. With its reduced 30 mm thickness, the cushion is easy to apply even on curved profiles and does not overload the support tie rods, which are certified without protection.

AF FIREGUARD 3 is an ideal product for fire protection of metal air supply ducts.

DIRECT APPLICATION

Metal air supply ducts

FIREGUARD 3 FEATURES

Weight:	5 kg/m ² approx.
Dimensions:	6000x1000x30 mm
Specific weight:	100 kg/m ³
Outer colour:	silver
Inner colour:	white
Thermal conductivity λ_D :	0.036 W/mK at 10 °C
Water absorption	≤ 1 kg/m ²

BAND 3 FEATURES

Dimensions:	25000x100x0.6 mm
Weight:	450 g/m ²
Composition:	100% siliceous fabric
Fibre diameter:	>6 microns
Weft:	1500 N / 5 cm
Warp:	1200 N / 5 cm
Finish:	Aluminium

PACKAGING AND STORAGE

6m² rolls on pallets.

The product remains unaltered if stored in a closed environment away from humidity and direct exposure to atmospheric agents.

APPLICATION METHOD

- 1a. RECTANGULAR SECTION: measure the duct perimeter and increase by 240 mm to compensate for the cushion thickness + 200 mm overlap of the two sections. (Total: duct perimeter + 440 mm);
- 1b. CIRCULAR SECTION: measure the duct circumference and increase by 190 mm to compensate for the cushion thickness + 200 mm overlap of the two sections (Total: duct circumference + 390 mm);
2. cut the AF FIREGUARD 3 cushion based on the length;
3. wrap the cut section around the duct overlapping the longitudinal joint by about 200 mm;
4. secure the cushion with 1 mm steel wire for each 300 mm (three loops per metre);
5. repeat these steps to cover the whole duct with a second parallel layer;
6. apply the special self-adhesive **AF BAND 3** to the transversal joint between the two cushions;
7. Secure AF BAND 3 by placing a 1 mm steel wire around the duct.

All the steps must be repeated until the duct is covered.

SPECIFICATION

Supply and application of AF FIREGUARD 3 fireproof cushion for metal ducts, consisting of a mineral fibre cushion of 30 mm thickness and density of 100 kg/m³ with external coating in aluminium and steel mesh, treated with the ablative

AF SEAL T3 protection product, for the EI 120 protection of metal ventilation ducts. The transverse joints must be covered with **AF BAND 3** aluminised adhesive tape..

CERTIFICATIONS

Class EI 180 (UNI EN 1366-1)

Vertical

Class EI 120 (UNI EN 1366-1)

Horizontal

