

## Flexible protection for ventilation ducts

**AF FIREGUARD 3** is made of a rock wool mat quilted on a metal mesh and covered with a wired aluminium foil on the outer side and a glass fabric coated with a special paint on the inner side.

**AF FIREGUARD 3** is a product designed and developed for metal ventilation duct fire protection (external fires). Pipe protection with **AF FIREGUARD 3** mat, applied in a single layer, provides EI 120/EI 180 fire resistance class according to UNI EN 1366-1.

### CHARACTERISTICS

Weight:	approx. 5 Kg/m <sup>2</sup> ;
Available sizes:	6000 x 1000 x 30 mm;
Mat specific weight:	100 kg/m <sup>3</sup> ;
Colour: External: Silver Internal:	white;
Thermal conductivity:	0.036 W/mK a 10°C;
Water absorption:	≤ 1 kg/m <sup>2</sup> .

### APPLICATION METHOD

1. **RECTANGULAR SECTION:** measure the duct perimeter and increase by 120 mm (30 mm for each side) to compensate for the mat thickness + 200 mm overlap of the two sections. (Total: duct perimeter + 320 mm);
2. **CIRCULAR SECTION:** measure the duct circumference and increase by 190 mm to compensate for the mat thickness + 200 mm overlap of the two sections (Total: duct circumference + 390 mm);
3. cut the **AF FIREGUARD 3** mat based on the length calculation;
4. Wrap the cut section around the duct overlapping the longitudinal joint by about 200 mm;
5. secure the mat with a steel wire of 1 mm for each 300 mm (three loops per metre);
6. repeat all the steps mentioned previously to cover the whole duct with a second parallel layer;
7. apply the special self-adhesive **AF BAND 3** to the transversal joint between the two mats;
8. secure **AF BAND 3** by placing a 1 mm steel wire around the duct.

**ALL THE STEPS MUST BE REPEATED UNTIL THE ENTIRE DUCT IS COVERED**

### PACKAGING AND STORAGE

Rolls of 6 m<sup>2</sup> on pallets.

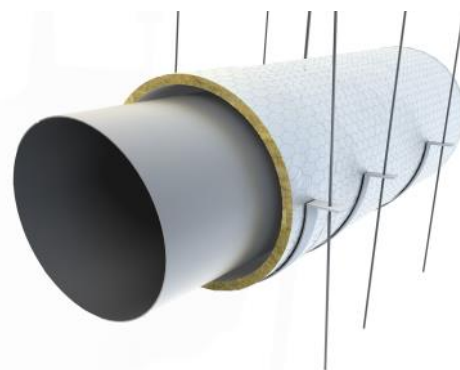
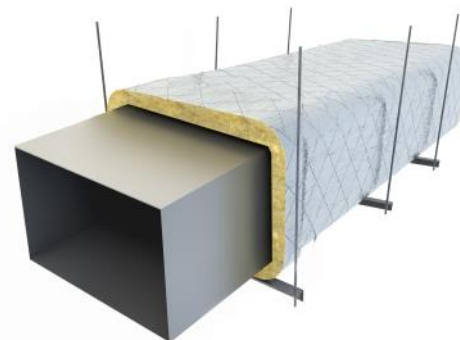
**AF FIREGUARD 3** must be stored indoors

### SPECIFICATIONS

Supply and application of **AF FIREGUARD 3** fireproof mat for metal ducts, consisting of a mineral fibre mat of 30 mm thickness and density of 100 kg/m<sup>3</sup> with external coating in aluminium and steel mesh, treated with the ablative **AF SEAL WB** 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 120 Horizontal (rectangular and circular section)	(UNI EN 1366-1)
Class EI 120 Vertical (rectangular section)	(UNI EN 1366-1)
Class EI 180 Vertical (circular section)	(UNI EN 1366-1)



## AF BAND 3



Self-adhesive strip in aluminised non-combustible fabric designed for the protection of the **AF FIREGUARD 3** non-overlapping joints. **AF BAND 3** is easy and fast to install, and does not require special equipment. It is applied to the joint using its self-adhesive features and secured with steel wire (thickness 1 mm). Available in 25 m rolls.

### CERTIFICATIONS

Certified with **AF FIREGUARD 3**