

## Fire-rated mat for metal ventilation ducts

### DESCRIPTION

**AF FIREGUARD 3** is a flexible mat designed to grant EI 120 (according to EN 1366 -1) for ventilation metal ducts.

**AF FIREGUARD 3** is applied in a single layer along the entire length of the duct. The product is made with a rock-wool mat quilted of wire mesh and covered with aluminized polyethylene on the outer face. The inner face of the mat is treated with an ablative component protected by a fiber glass fabric.

### CHARACTERISTICS

Weight:	5 Kg/m <sup>2</sup> approximately
Size:	6000 x 1000 x 30 mm
Density:	100 kg/m <sup>3</sup>
Color:	Ext: silver/ Int: white
Thermal conductivity:	0,036 W/mK à 10°C
Water absorption:	≤ 1 kg/m <sup>2</sup>

### FIELD OF APPLICATION

**AF FIREGUARD 3** is used to protect against fire the metal ventilation ducts.

### APPLICATION METHOD

1. Measure the size of the ventilation duct
2. For Rectangular sections: Increase the perimeter of the section by 320mm (30mm for each side + 200mm for the overlap of the two edges)
3. For Circular sections: Increase the diameter by 60mm and add 200 mm for the overlap of the two edges
4. Cut **AF FIREGUARD 3** to obtain the size needed to wrap the ventilation metal duct
5. Wrap the mat around the duct, while overlapping its two edges by 200 mm
6. Attach the mat with a steel wire (three loops per meter)
7. Apply on the overlap the adhesive stripe **AF BAND 3**
8. Attach **AF BAND 3** by placing a 1 mm wire around the duct
9. Repeat again and again the operations until covering the whole duct

### SPECIFICATIONS

Supply and installation of the fire-rated mat **AF FIREGUARD 3** for EI 120 / EI 180 (according to EN 1366-1) of metal air ducts. **AF FIREGUARD 3** consists of mineral fiber 30 mm thick and with 100 kg/m<sup>3</sup> density. It is covered in surface with aluminum and a steel mesh. It is treated with the special coating **AF SEAL T**. The transverse edges must be covered with the adhesive stripe **AF BAND 3**.

### WARNING

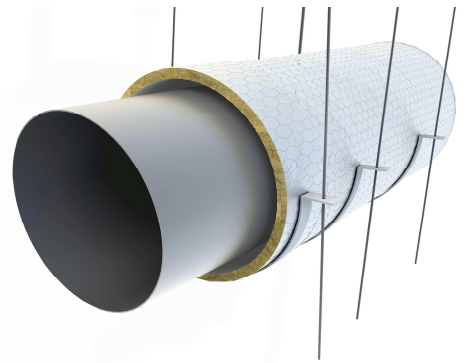
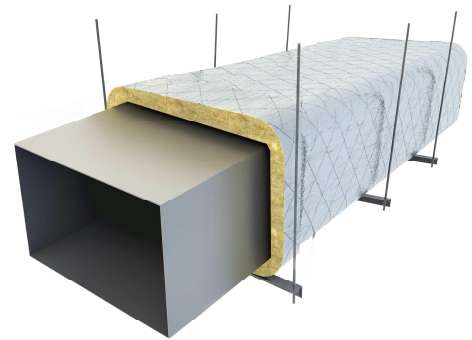
Product for professional use.  
Always use gloves when handling and installing the material.

### PACKAGING AND STORAGE

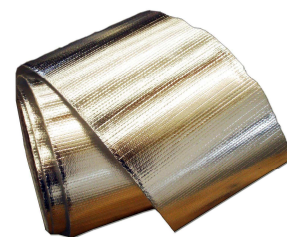
Rolls of 6 m on pallets. Other sizes are available upon request.  
As long as the product is kept away from humidity and weathering, it remains in perfect state.

### CERTIFICATIONS

Class EI 120	horizontal	(EN 1366-1)	Rectangular and circular ducts
Class EI 120	vertical	(EN 1366-1)	Rectangular ducts
Class EI 180	vertical	(EN 1366-1)	Circular ducts



## AF BAND 3



### DESCRIPTION

**AF BAND 3** is an adhesive stripe easy and quick to install. No specific device is required to carry out its installation. **AF BAND 3** has to be placed on the opening and subsequently attached with a mere steel wire (thickness 10/10 mm). Le product is available in rolls of 50 m.

### CERTIFICATIONS

It is certified in combination with **AF FIREGUARD 3**.