

We hereby certify the authenticity of the technical data given in our catalogue as mentioned below, relating to the following product line:

Clavu Fix Self Adhesive Hangers

Self Adhesive Hangers

- Σ Zinc / copper plated steel pins, diameter 2.7 mm
- Σ Galvanised steel self-adhesive base 50 x 50 mm
- Σ Pins length : 19 to 203 mm

Adhesive General characteristics

- Σ It consists of a white, cross linked, closed-cell, polyethylene foam coated on both sides with an acrylic pressure sensitive adhesive;
- Σ It offers very high peel and shear properties.
- Σ The glue used is resistant to water, detergents, alcohols, aliphatic and some aromatic hydrocarbons.
- Σ It is not recommended for use in contact with esters, cetones and chlorinated hydrocarbons.
- Σ Fix Hangers conserve their properties during 2 years if stored in their original packaging at 15/25°C and 50 % relative humidity.

Adhesive Health & Safety Data

- Σ The foam is a PE, Polyethelen foam which when burning produces H₂O (water) and CO₂ (carbon dioxide) but is not toxic and not dangerous for health.
- Σ The foam is coated on both sides with a solvent base acrylic adhesive. When burning the residue is close to zero, having a pH of 6.

Fastening Clips

- Σ Galvanised steel
- Σ Outside diameter 30 mm or 38 mm
- Σ Bevelled edges

Application

Fix hangers provide instant mechanical fixing for insulation material on smooth surfaces like air ducts. Service at temperatures ranging from -40°C to +80°C (+100°C for short periods of time). It is recommended to follow our sheet « quantity of hangers per square metre » (1) or to follow SMACNA recommendations for spacing (2) (see below).

Method of application

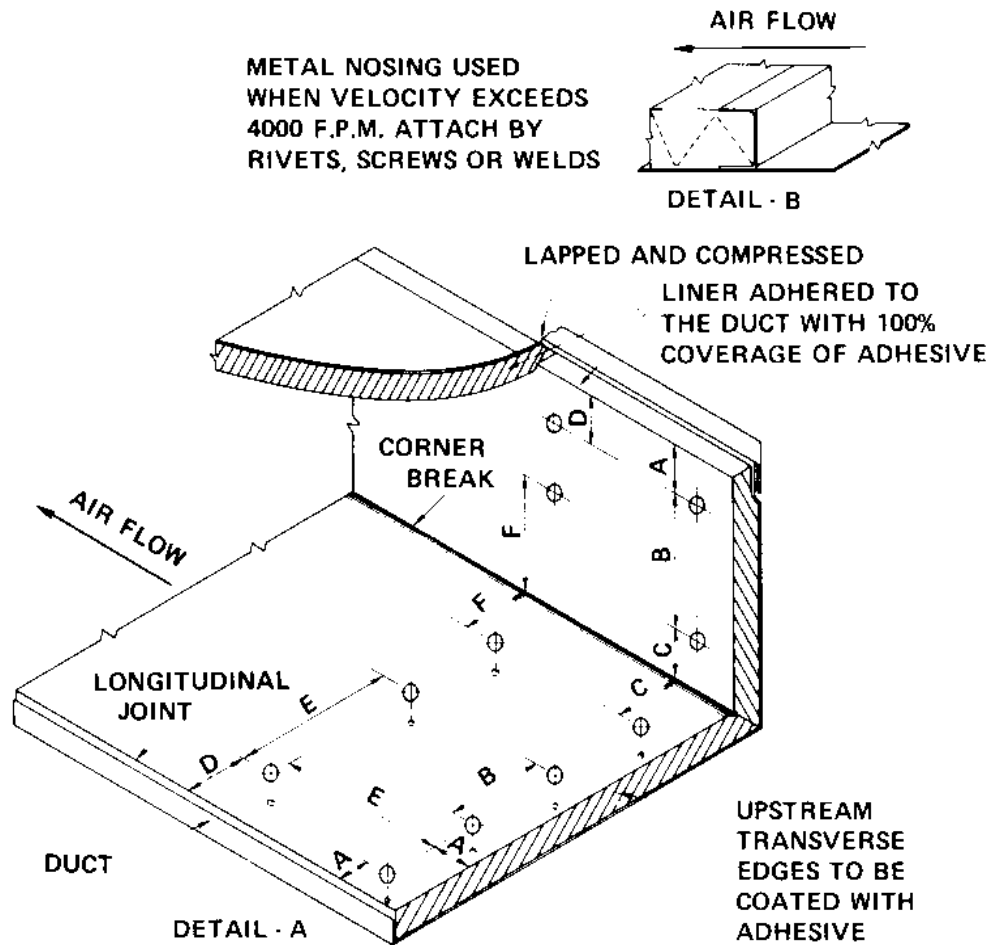
To be used at a minimum ambient temperature of +10°C.

- Σ Make sure surfaces are clean, dry and free of dust, grease and oil
 - Σ Remove release paper
 - Σ Place the hanger and press firmly
 - Σ Impale insulation material on the hangers
 - Σ Secure with the fastening clips
 - Σ If necessary cover the point with a protective nylon cap
- Optimal adherence is reached 24 hours after application.**

(1) Recommended Quantity of Hangers per Square Metre

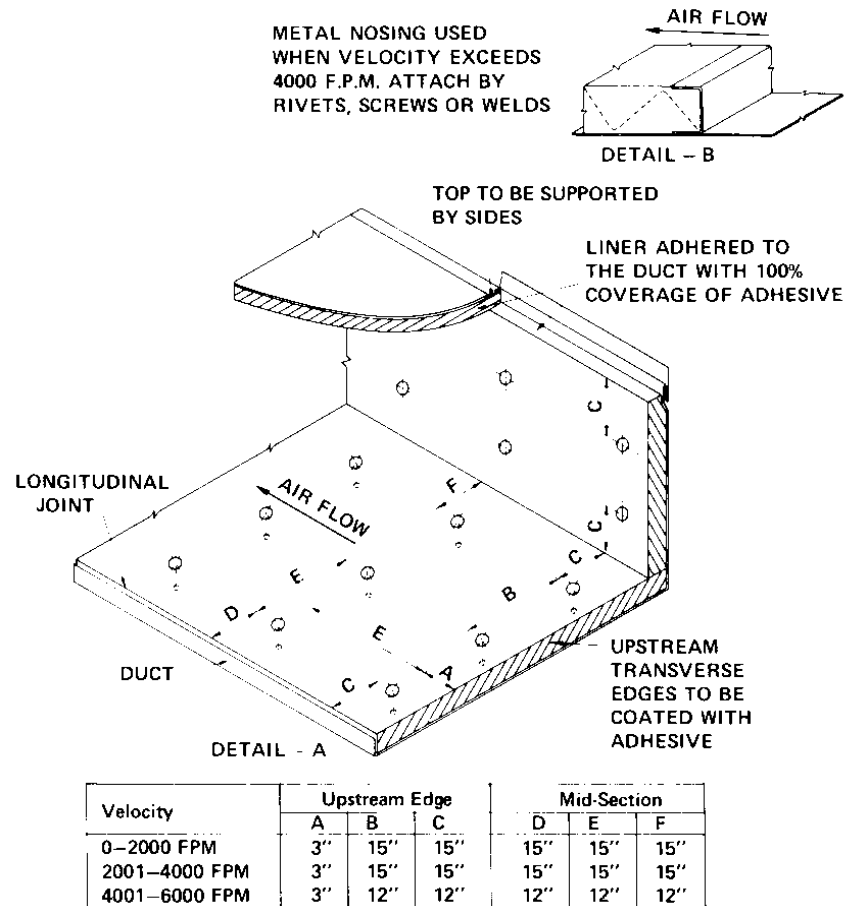
Insulation Material		Number of hangers recommended per square metre			
Density	Thickness	Temp. 23°C	Temp. 40°C	Temp. 60°C	Temp. 80°C
20 kg per cubic metre	25 mm	4	4	4	4
	50 mm	4	4	4	4
	100 mm	4	4	4	4
40 kg per cubic metre	25 mm	4	4	4	4
	50 mm	4	4	4	6
	100 mm	4	4	6	8
80 kg per cubic metre	25 mm	4	4	4	6
	50 mm	4	4	6	8
	100 mm	4	6	8	16
120 kg per cubic metre	25 mm	4	5	6	8
	50 mm	5	6	8	12
	100 mm	6	8	12	24

(2) SMACNA Recommendations for spacing



Velocity	Upstream Edge			Mid-Section		
	A	B	C	D	E	F
0-2000 FPM	3"	12"	12"	6"	18"	12"
2001-4000 FPM	3"	6"	6"	6"	16"	12"
4001-6000 FPM	3"	6"	6"	6"	16"	12"

FLEXIBLE DUCT LINER FASTENER SPACING



RIGID DUCT LINER FASTENER SPACING

Certified true and correct

BOHL GmbH

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Above mentioned information is based upon research which Bohl believes to be reliable but such information does not constitute a warranty. The purchaser should carefully consider the fitness and performance of the product for each intended use. Manufacturer shall not be liable for damages caused by unsuitable or non-recommended use. All specifications are subject to change without prior notice.