

An innovative new product insulated flexible duct where the insulation is supported by closed cell foam ( polyethylene PE) density of 30 kg per m<sup>3</sup> and 5 mm by eliminating dangerous and suspected CANCER fiberglass . The white foam is placed inside the duct , after first placing a thin membrane blue color and fungicidal properties, while giving very smooth inner surface with excellent wind speeds , helping the facility for less energy .

External airway placed either polyester metallized triplex or triplex aluminum or another material even with production in any color for obvious use.

The placement of foreign material is in such a way that between the two materials ( foam and outer material) with air gaps of the order of 5-8 mm which contribute greatly to the thermal insulation of the airway.

INSOFLEX 3000 gives us simultaneously and very good levels of sound absorption up to 2 db IN Ø 250 in position S and a length of 2 meters airway.

With the minimum exterior size, quick and clean installation, it is 100 % recyclable and eco and combustion gases are harmless for humans.

On the issue of fire safety is a Class B1 .

INSOFLEX3000 backed by certifications of class B1 from GSI, insulation from FLUTEC, pressure drop of FLUTEC, absorption by A.P.Thessalonikis .

INSOFLEX3000 bestowed with two diplomas OBI and patent application by the EUROPEAN

PATENT Offic .

INSOFLEX3000 designed and developed since 2004 and to date have installed millions measures, and exported to Cyprus , Italy , Romania , Serbia , Bulgaria .

In research and technology institute in Thermi Thessaloniki , whole plant cooling - heating is by INSOFLEX 3000 where our products are controlled by dozens of sensors on a permanent basis, importantly, that the operation in

system , only 50 % of the energy from that originally provided the study with conventional flexible and the reason is that the pressure drop in INSOFLEX 3000 is minimal , allowing maximum energy saving.

NO therefore in -intensive and hazardous to human health conventional flexible .

***EUROFLEX produce and evolve its products always guided by  
man  
and the  
environment***

## **TECHNICAL CHARACTERISTICS**

-Foam 5-10 mm thick depending on the construction

-Step coil 45 mm

- Category foam : B1
- Operating temperatures : from -30 C to + 120 C.
- Sound absorption : on DIN-4109 - 300-2500 mhz, average 60%
- During the incineration of over 99 % produced CO<sub>2</sub> ve H<sub>2</sub>O
- Toxicity during combustion : no
- Packing in carton: 10 meters
- Diameters from 100 mm to 500 mm
- Production capacity machine in diameter 1000 mm
- Thermal conductivity 0.033 w / mk at 10 C and 0.038 w / mk  
at 40 C.

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