

# Globe Pre-Insulated Ductwork

The innovative and revolutionary approach for insulated ductwork

by Stiferite

## ADVANTAGES OF A PRE-INSULATED DUCTING SYSTEM :

- QUALITY OF AIR AND EFFICIENCY OF THE SYSTEM. THE INTERNAL SURFACE OF THE DUCT IS ENTIRELY CONSTRUCTED OF ALUMINIUM, WHICH GUARANTEES CLEAN AIR FLOW.
- ENERGY SAVINGS AND THERMAL INSULATION. THE RATE OF HEAT TRANSFER (THERMAL CONDUCTIVITY IS VERY LOW. EVEN AT REDUCED THICKNESSES)
- LIGHTWEIGHT
- SOUND AND VIBRATION ABSORPTION
- LONG LASTING: The use of polyurethane and aluminium guarantees a duration for as long as the entire system.
- SIMPLE AND EASY INSTALLATION OF COMPLEX ROUTES OF AIR DISTRIBUTION, AND IF NECESSARY, THE FREEDOM TO MAKE MODIFICATION BASED ON CURRENT NEEDS.
- REDUCED COSTS IF COMPARED TO TRADITIONAL SHEET METAL DUCTS: EASY SHIPMENT AND INSTALLATION



*The cuts allow easy bending of the panels for quick fabrication of ducts.*



1 Using the nylon marking pencil, the dimensions of each duct can be easily traced

2

With the clamping ruler on the table and the handy double-blade jack plane, "V" cuts are made without marking the inferior foil

3

Spreading of the glue inside the cuts

4

Folding of the sides to form a duct

5

The rigid spatula is used to smooth out the edges

6

The aluminium duct tape is applied

7

Aluminium profile are inserted into the ends of the duct for eventual flanging

8

Silicone is applied to further seal the internal bends

9

The self-adhesive gasket is applied to the aluminium profiles prior to joining the two ducts

10

The bayonate joins the ducts

11

The manual bending machine is used to make the bends on the panel for curved ducts.(i.e. elbows)

## Smooth Aluminium



### AI6 E/E 60-60

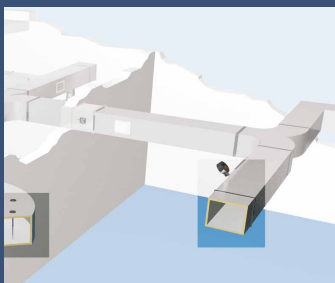
Panel in polyisocyanurate foam, with 60 µ aluminium facing, embossed on both sides. Density: 35 kg/m<sup>3</sup>

### AI8 E/E 80-80

Panel in polyisocyanurate foam, with 80 µ aluminium facing, embossed on both sides. Density: 35 kg/m<sup>3</sup>

Thickness	Size	Pack	
mm	cm	n° panels	m <sup>2</sup>
20	120 x 400	10	48,00

Thickness	Size	Pack	
mm	cm	n° panels	m <sup>2</sup>
20	120 x 400	10	48,00





## Embossed Aluminium

### ALC E/E 80-80

Panel in polyisocyanurate foam, with 80  $\mu$  aluminium facing, embossed on both sides. Density: 48 kg/m<sup>3</sup>

Thickness	Size	Pack	
mm	cm	n° panels	m <sup>2</sup>
20	120 x 400	10	48,00
30	120 x 400	8	38,40

### ALL S/E 80-80

Panel in polyisocyanurate foam, with 80  $\mu$  smooth aluminium facing on one side and embossed on the other.

Density: 48 kg/m<sup>3</sup>

Thickness	Size	Pack	
mm	cm	n° panels	m <sup>2</sup>
20	120 x 400	10	48,00

### ALE E/E 80-200

Panel in polyisocyanurate foam, with 200  $\mu$  aluminium facing on the external side and 80  $\mu$  on the internal, embossed on both sides. Density: 48 kg/m<sup>3</sup>

Thickness	Size	Pack	
mm	cm	n° panels	m <sup>2</sup>
20	120 x 400	10	48,00
30	120 x 400	8	38,40

