

FEX Terminal

PRODUCT DESCRIPTION

The FEX Terminal is a low-cost efficient solution that facilitates the ingress to and egress of air from a Mechanical Ventilation with Heat Recovery (MVHR) unit.

The FEX Terminal ensures that no cross contamination of Fresh and EXhaust airflows occur as they enter/leave the building. The FEX Terminal is proprietary to ProAir.

The FEX terminal has been independently tested by the Centre for Sustainability at Atlantic Technological University, Galway campus (formerly GMIT). It is available for sale directly from ProAir.

INSTALLATION

The FEX unit is made up of the baseplate and the cover plate. One side of the baseplate has two spigots which are faced to the inside of the building and connected to the ventilation unit. The other side has one spigot and is for the exhaust air. The exhaust should always be on the bottom and directing the air away from the building at 45 degrees. The spigot also serves to carry any condensate in the exhaust away from the building and so prevents any staining of the walls.

The cover plate is fixed to the base plate with four nuts and can be easily removed to allow the closing of these openings to facilitate Airtightness testing. The terminal can be fitted to any external surface using the four screw holes provided and the lip turned out on the baseplate can serve as a guide in those situations where it will be set in plaster.





AIR FLOW PERFORMANCE

The FEX Terminal is fabricated from 1mm zentec coated steel primed and finished in a powder coating at high temperatures. As with all auxiliary ventilation equipment the FEX will add some resistance to the flow of air. This resistance will then create a slight pressure on the system. This pressure will vary with the amount of air moving through it. The chart below indicates this:

Exhaust Air		
Meters cubed/hr (m ³ /h)	Litres/sec (l/s)	Pa
100	27.8	8
150	41.7	11
200	55.6	15
250	69.4	21
300	83.3	28
350	97.2	37
400	111.1	49

Supply Air		
Meters cubed/hr (m ³ /h)	Litres/sec (l/s)	Pa
100	27.8	7
150	41.7	10
200	55.6	14
250	69.4	19
300	83.3	26
350	97.2	35
400	111.1	44

GALWAY OFFICE

Unit 1,
Polkeen Industrial Estate,
Tuam Road, Castlegar,
Co. Galway H91 WYR8
T 091 739 442

DUBLIN OFFICE

Unit P26,
Greenogue Business Park,
Grants Road, Rathcoole,
Co. Dublin D24 HW44
T 01 503 4296

CORK OFFICE

Unit A11,
Millennium Park,
Youghal,
Cork. P36 A522
T 089 274 8989