

FOAM BOARD AIR LEAKAGE TEST RESULTS

Manufacturer: Elastogran UK Ltd

DESCRIPTION OF BOARD	Air Flow Rate At 50 pascals l.s ⁻¹	Air Leakage At 50 pascals m ³ .h ⁻¹ .m ⁻²
Elastopor H 1629/1 Walltite® Polyurethane Spray 1270 x 800 x 50 mm	0.00091	0.0033

An air-tight plenum chamber was attached to the foam board which contained a spigot to attach a flow measuring device and variable air flow rate fan. The flow measuring device is normally a calibrated Energy Conservatory DG700 micromanometer with two channels. All flow and pressure measuring devices are UKAS calibrated.

One channel was attached to record the air flow rate delivered to the plenum chamber with the second channel connected to the plenum chamber to record the pressure differential applied to the plenum chamber. Measurements were undertaken over a range of pressure differentials and flow rates. The measurements were then repeated with a sealing plate fixed to the face of the board. The difference in the air leakage is attributable to the foam board only and aims to eliminate leakage of the attached plenum chamber.

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