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acoustica®
the quiet Australian

GreenLAG® Installation Procedure

Acoustic Pipe Lagging

Acoustic Performance of GreenLAG®

Pipes lagged with GreenLAG® together with a 10mm thick plasterboard ceiling

meet or exceed the NCC Provision F5.6 of R_w 40 + C_{tr} for habitable rooms.

Test report available on request.

Calculating the width

W = 3.14 x [OD + (2xT)] + 50 mm overlap

W = Width of GreenLAG® to wrap around circumference of pipe

OD = Outside Pipe Diameter

T = Thickness of GreenLAG®

Installation Procedure

Cut GreenLAG® with a knife or scissors to avoid wastage.

Wrap GreenLAG® around the pipe overlapping all joins by 50mm (vertical & horizontal) to avoid potential flanking noise.

Wrap 3 circumferential wraps of high quality 48 or 72mm wide reinforced aluminium tape at approximatley every 350mm (i.e. 3 wraps per 1m of pipe length) and tape along seams.

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Bends, 'T', 'Y', 'V', Elbows

These pipe sections are much stiffer than straight pipes and thus noise leakage are reduced (less pipe wall induced vibrations by liquid flow).

A professional lagger will install only one layer of pipe lagging ensuring tight butt joints* on these pipe sections and this will comply with the overall lagging acoustic rating**.

* If the joints are not tightly abutted, then an extra band of pipe lagging material, approximately 75mm wide, can be applied over the joints.

** All our acoustic tests had the pipes lagged as per the recommended installation described above (including one layer only over elbows, 'T' junctions...), and the acoustic laboratory test results are comparable to what is achieved in "In-situ installations".