



## ACOUSTIFLEX® PL5/15 ACOUSTIC PIPE LAGGING

A quiet environment is mandated by the Building Code of Australia for residential apartments, hotels, motels, aged care buildings, townhouses and other attached buildings. Acoustiflex® PL5/15 (5kg/m<sup>2</sup>) pipe lagging is designed to contain the intrusive noise generated by the turbulent flow of waste-water through piping and fittings.

Acoustiflex® PL5/15 pipe lagging comprises a noise barrier to contain pipe-wall vibrating noise and a high density sound absorber for the wastewater stream noise. This bonded double layer of heavyweight, but flexible acoustic insulation is housed within a heavy duty reinforced aluminium foil casing. Acoustiflex® PL5/15 is available with a choice of a flat or convoluted sound absorber.

Acoustiflex® PL5/15 has been rigorously tested by NATA and CSIRO laboratories and meets the requirements of the Building Code of Australia. For RW ratings of 25 + CTR and 40 + CTR, product should be correctly installed (preferably by a professional installer) in conjunction with 13mm plasterboard.

The flammability rating of Acoustiflex® PL5/15, according to AS 1530.3, is rated zero in all four indexes of ignitability, spread of flame, heat evolved and smoke developed.

The special construction of Acoustiflex® PL5/15 combines mechanical strength with exceptional flexibility offering significant time savings during installation.

Acoustiflex® PL5 is unaffected by water, will not delaminate and will perform continuously over the life of the building without any degradation of acoustic performance.



Acoustiflex® PL5/15 lines the Sydney World Tower

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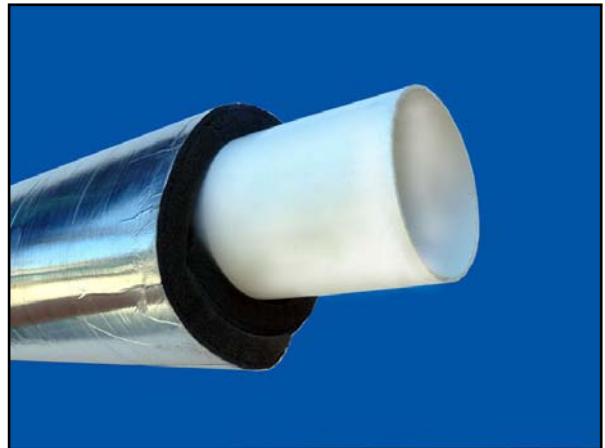
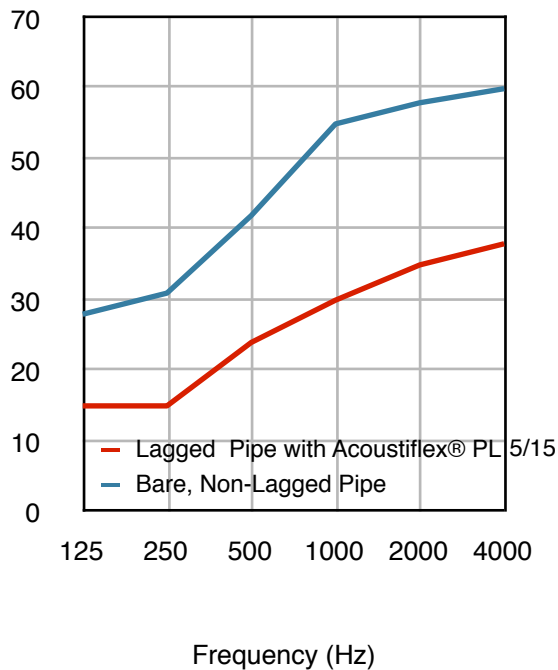
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# ACOUSTIFLEX® PL5/15

## ACOUSTIC PIPE LAGGING INSTALLATION

Sound Transmission Loss (dB) for Acoustiflex® PL5/15



### Approved Form of Application to achieve:

Rw 25+CTR - Lag pipes with Acoustiflex® PL5/15 (5kg/m<sup>2</sup>)

Rw 40+CTR - Lag pipes with Acoustiflex® PL5/15

Install a suspended ceiling consisting of 1 layer of 13mm plasterboard with 85mm thick Tontine TSB5 insulation laid over the entire ceiling. Ensure a minimum separation of 75mm between the waste pipe and the plasterboard ceiling.

Rw 40+ Ctr - install as above but add 2 x 13mm plasterboard.

### Example Formula for amount required

Width of Acoustiflex® PL5/15 to go around the pipe will be given by the following formula:

$$W = \pi \times (OD + [2 \times T]) + 50 \text{ mm overlap}$$

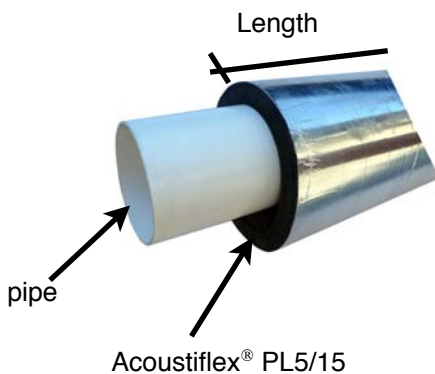
Where  $\pi = 3.14$

OD = outside pipe diameter

T = Acoustiflex® PL5/15 thickness

Measure the diameter and total length of the pipe to be insulated. Wrap Acoustiflex® PL5/15 around the pipe overlapping by 50mm and tape with an appropriate reinforced aluminium tape (available on request).

All joints must be tightly butted and sealed in order to ensure a good seal.



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