

Insulation

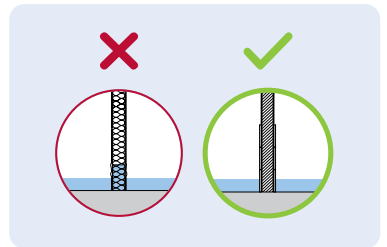
Rigid insulation (resilient)

Replace loose-fill insulation with rigid insulation.

Loose-fill insulation such as batt insulation is commonly found in wall cavities, however they absorb a great deal of moisture and must be replaced after a flood to avoid mould. Replace loose-fill insulation with rigid or closed-cell insulation such as extruded polystyrene insulation which are water-resistant.

Replacing loose fill insulation with rigid insulation can also:

- » **Improve energy efficiency:** Rigid insulation has a higher R-value (a measure of thermal resistance) per cm compared to loose-fill insulation, making it more effective at reducing heat transfer, making rigid insulation an excellent comfort in both the winter and summer seasons.
- » **Improve breathability:** Rigid insulation is typically installed with fewer gaps and air leaks when compared to loose-fill insulation, which makes it a great option for air sealing your home.
- » **Improve indoor air quality:** Loose-fill solution can settle over time, creating air gaps and air pockets that allow air to circulate. This can lead to mould growth, which can negatively impact indoor air quality. Rigid insulation is more resistant to settling and can provide a better barrier against air and moisture infiltration.
- » **Improve durability:** Rigid insulation tends to be more durable and maintains its form and insulating properties better than loose-fill insulation over time.



- » **Be easily installed:** Rigid insulation can be cut to fit around electrical outlets and other obstacles, making it easier to install in tight spaces. Additionally, it can be installed in one piece, rather than having to be poured or blown in like loose-fill installation.
- » **Resist rodents:** Due to its dense properties, rodents and insects are less likely to nest in ridged insulation.

Insulation example

This is an example of rigid compared to loose-fill insulation.



**Ridged insulation
(resilient)**

**Loose-fill
insulation
(non-resilient)**

For more information on strengthening your home visit
getready.qld.gov.au/strengthen-your-home

For flood information from your local council, visit
getready.qld.gov.au/find-your-local-council

*This assistance is made available through the jointly funded Commonwealth-State
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