

How to manage/deal with Glasswool Insulation if it gets wet during construction

During the construction of a building, rain or adverse weather conditions can occur before the building is weather tight, and the Glasswool bulk insulation products may get wet. This bulletin provides guidance relating to the treatment of Glasswool bulk insulation products which may have been affected by water ingress during construction.

To comply with BCA requirements for installation of insulation materials, the insulation must comply with AS/NZS 4859.1: General criteria and technical provisions, which notes the installation guidelines set out in AS3999: Bulk thermal insulation—Installation.

In AS3999, Section 3.4 General Insulation Method states:

“c) Bulk insulation shall be dry when installed unless otherwise specified by the manufacturer. “

Bulk insulation installed in all roofs, ceilings, walls and floors must comply with this criterion for the product to achieve the claimed thermal performance.

CSR Bradford products such as Anticon, Acoustigard, Gold, Black, Optimo, SoundScreen etc., are bulk insulation products and the installation of these products should comply with AS3999.

Storage

Bulk insulation products should be stored in a dry location in the original packaging provided until installation.

Installation

Insulation must be installed dry and remain dry until construction is completed - this is a CSR Bradford Warranty Condition.

It is not recommended that the installation be commenced if it cannot be completed. If the installation cannot be completed prior to rain or is left exposed for a period of time, the insulation should be protected from getting wet.

Water Ingress During Construction

If the bulk insulation product gets wet during construction, it should be removed and replaced as wet insulation is unlikely to dry out in situ and may lead to:

- Reduced thermal performance; and
- Unseen mould growth inside the building frame; and
- Staining or permanent damage on plasterboard linings.

Metal Roof Applications

It is a CSR Bradford warranty condition that insulation be installed dry. If Anticon gets wet during construction, prior to the metal roof being completed (i.e. including fitting of any ridge caps, barge flashing etc.), it must be allowed to fully dry and return to its nominal thickness prior to being assessed suitable for re-use or replacement.

Product Warranty

CSR Bradford Product Warranty does not cover any Product defect or damage to the extent it is caused or contributed to as a result of water exposure prior to the completion of the products installation and/or incorrect onsite storage prior to or during installation. Please refer to the relevant CSR Bradford Warranty document for full details.

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