



Ceiling & Wall Insulation Installation Information

IMPORTANT

Read all the instructions before beginning installation. Alsynite recommends all thermal insulation is installed in accordance with NZS 4246:2006 Energy Efficiency – Installing Insulation in Residential Buildings. Copies of this Standard are available from Standards New Zealand.

CEILING INSTALLATION INSTRUCTIONS

Tools Required

- Sharp wide-blade knife and/or sharp scissors
- Appropriate lighting
- Tape measure
- Staple gun with 14mm staples
- Basic tool kit (hacksaw, hammer, screwdrivers, pliers).

Warning: Prior to installation, please check carefully for all hazards that may cause injury. Beware of sharp objects like protruding nails and broken glass. Check drainage pipes for leakage of water or sewage. Repair before installation.

Installation Information

- It is recommend that two persons work together to install ceiling installation.
- Use a high quality lockable step-ladder.
- Set up adequate lighting so as to avoid falling through the joists.
- Walk only on joists. Do not walk elsewhere. If using boards for kneeling on, ensure these cover at least two joists.
- Check for sharp objects and penetrations such as nails in the framework or possibly protruding through the roof material.
- Check for bee and wasp nests.
- Heat exhaustion can occur rapidly when working in close ceiling space areas. Drink plenty of fluids, keep hydrated and have regular breaks.

Site procedure

- Ensure others working on the site are aware of your position at all times.
- Ensure the site is maintained in a tidy hazard-free manner.
- Carry a cell phone.
- Determine whether asbestos is currently installed and if so report this immediately to your local territorial authority for further instructions.
- If asbestos is present, DO NOT commence installation.

HEALTH & SAFETY INFORMATION

Health and safety during home insulation installations is of paramount importance. Please read and follow the information contained in this document prior to and during installation. All work must be carried out in accordance with the Health and Safety Employment Act 1992 (HSE Act) and the NZBC.

Protective clothing

During installation, the following protective clothing should be worn:

- Air purifying respirator P1 (dust masks are ineffective)
- Appropriate clothing (overalls, if ground is damp). Eg; Nylon Overalls or loose fitting long sleeved garments
- Gloves
- Safety glasses
- Face mask
- Kneepads
- Light Shoes

Dust inhalation and skin irritation

Polygold[®] is relatively dust free; however during the manufacturing process some dust particles will remain and can cause respiratory and skin irritation. If this occurs refer to the First Aid section in this document.

ELECTRIC CABLES AND ELECTRICITY

- Electric cables and equipment partially or completely surrounded with bulk thermal Insulation may overheat and fail. This applies to wiring installed prior to 1989. If this is the case consult Alsynite for specific instructions.
- In older houses be careful not to place insulation over electrical cables. When retro-fitting insulation and where possible, lift the cables over the insulation. Care should be taken with older cables to avoid damaging the electrical insulation covering.
- The main risk of electrical shock is serious injury or death, along with damage to household electrical appliances. Check for exposed wires. Do not staple or strike electric cables. Ensure all power tools are connected to a Residual Current Device.
- If any electrical faults are found, call a registered electrician prior to commencing the project.

Electrical Hazard: Treat all electrical cables as live.

Before you begin you must locate and identify all wires and cabling to reduce the risk of electrocution. Alsynite recommend marking the area where hazards exist with glow spray paint for future reference. Beware of electrical cables – stapling or nailing through wires may lead to death or serious injury. Leave a 50mm gap between staples and cables. Wherever possible isolate power to this area before commencing work. Avoid covering and/or hiding electrical wires and cables. Where possible insulation should be installed above electrical wiring leaving all cables and wiring clearly visible. Beware of damaged, exposed or hanging cables – contact a registered electrician to complete repair before starting installation.

CAUTION: Electric cables and equipment that are partially or completely surrounded with any bulk thermal insulation may overheat and fail.

This applies to wiring installed prior to 1989.

POSSIBLE REACTIONS

Inhalation: irritation of the upper respiratory tract (scratchy throat), coughing and congestion may occur in extreme exposures.

Skin: temporary irritation (itching) or redness may occur.

Ingestion: this product is not intended to be ingested (eaten). If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

Eyes: temporary irritation (itching) or redness may occur.

Target organs: nose (nasal passages), throat, lungs, skin, eyes.

Primary routes of entry (exposure): inhalation (breathing dust), skin and eye contact.

Medical condition aggravated by exposure: pre-existing chronic respiratory, skin, or eye diseases or conditions.

FIRST AID

Inhalation: Remove to fresh air, drink water to clear throat and blow nose to remove dust

Skin: Wash gently with soap and warm water to remove dust. Wash hands before eating or using the rest room.

Ingestion: Product is not intended to be ingested or eaten. If this product is ingested, irritation of the gastrointestinal tract may occur and should be treated symptomatically. Rinse mouth with water to remove fibres. Drink plenty of water to help reduce the irritation. No chronic effects are expected after ingestion.

Eyes: Do not rub or scratch eyes. Dust particles may cause the eye to be scratched. Flush eyes with large amounts of water for 5-15 minutes. If irritation persists, contact a medical professional.

Notes to Physician: This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures.

For technical help call Alsynite NZ Ltd. 0800 257 964 or visit www.alsynite.co.nz for product information.

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