



InsulAPE

CLASS 1

Building Product Information Sheet

Product name:

InsulAPE Slab Edge Insulation

Product description and its intended use:

InsulAPE is a rigid pre finished insulation system with a prefinished protective external coating, designed to be fixed to the outer face of a concrete slab to improve the energy efficiency of the slab and help buildings meet the requirements of the New Zealand Building Code. InsulAPE can be installed either prior to or after the concrete slab has been poured and has a range of different heights and top edge profiles to suit different designs and applications.

InsulAPE consists of a core insulating material of XPS with a pre-applied protective external render to the exterior face and top edge to assist with durability during and after the construction cycle. InsulAPE also can include pre-made external corners which helps to ensure a consistent finish.

InsulAPE is designed to have full adhesion to the concrete slab and is not to be fixed in place with daubing or mechanical fixing as this can propagate moisture uptake between the concrete and the back of InsulAPE.

Not recommended for use as facing for drainage or for tanking.

Requires specific engineering design in relation to hold down bolts when using cast-in products.

InsulAPE must be installed as per the installation instructions for the specific application: either Cast-In or Externally Applied.

Product identifier:

InsulAPE Pre-install & InsulAPE Post-install - for standard top edge details, 30mm thick at 300mm & 600mm heights

Place of manufacture:

Aotearoa New Zealand

Legal and trading name of the manufacturer(s):

InsulAPE Ltd

Address for service:

| | | | |
|----------------|--|----------|---------|
| STREET NAME | 76 Kimptons Rd | SUBURB | Brookby |
| CITY, COUNTRY | Auckland, New Zealand | POSTCODE | 2576 |
| Website: | www.insulape.co.nz | | |
| Email address: | joel@insulape.co.nz | | |
| Phone no. : | 027 525 4024 | | |
| NZBN: | 9429048272605 | | |

Relevant Building Code clauses:

B2 - Durability: This specification complies with the requirements as set out in B2 – Durability which must always be considered when demonstrating compliance with each of the clauses of the Building Code. It ensures that a building throughout its life will continue to satisfy the performance of the Building Code. It confirms the use of materials that will remain functional throughout the specified intended life of the building, and not less than 5 years.

This protected slab edge system meets the expected durability of the NZBC of at least 5 years (B2.3.1 (c))

H1 - Energy Efficiency: This specification contributes to the requirements as set out in H1 – Energy Efficiency which provides for the efficient use of energy and sets physical conditions for energy performance. Thermal conductivity based on base insulation and thickness needs to be verified based on each application.

E2 - External Moisture: This specification does not diminish the buildings performance in relation to external moisture as set out in E2. InsulAPE is encapsulated with a protective layer and when installed in accordance with the appropriate installation instructions for the application, InsulAPE is itself protected from external moisture.

Limitations on the use of the building product:

1. Technical drawings are indicative only. Location and placement of slab edge insulation relative to hold-down bolts, cladding detail to be confirmed by architect/structural engineer.
2. All trades & final owner of the building to be made aware there is slab edge insulation installed and not to;
 - a. strike the edge with sharp tools,
 - b. operate heavy machinery or diggers adjacent to the exposed face of the finished system,
 - c. drive vehicles over the unprotected edge of the slab
 - d. Or undertake any other activity that could cause damage to the insulation or the protective face.
 - e. Should damage occur, tidy-up kits are available for repair.
3. InsulAPE must be installed in accordance with the installation instructions relevant to the application (Pre-install/Cast-in OR Post-install/Externally Applied).

Design requirements that would support the appropriate use of the building product:

1. Specific engineering design required for any Pre-install/Cast-in application, particularly to verify details around the bottom plate hold down bolt.

Installation requirements:

InsulAPE requires full adhesion to concrete surface, daubing of adhesive or mechanical fixings are insufficient.

For Pre-install/Cast-in application: Hold down bolts and other fixings at slab edge designed by suitably qualified structural engineers

For externally applied, that the face of the slab and insulation interface to external cladding and cavities ensures the full face of the slab edge is insulated.

- Pre-install/Cast-in Installation Instructions: InsulAPE Installation Instructions Pre V1
- Post-install/Externally-Applied Installation Instructions: InsulAPE Installation Instructions Post V1

Maintenance requirements:

It is essential during the construction cycle that other trades working adjacent to the slab edge (such as excavation for plumbing, electrical, garden or civil works) are aware that the slab edge (whilst it appears to be concrete) is a rendered insulation board. InsulAPE has been designed to cope with exposure, but can be damaged by sharp objects. Should this occur, the InsulAPE tidy up kit can be applied ensuring a seal and aesthetic render is returned.

Additionally, the building owner should be advised that InsulAPE is present, and that care should be taken when excavating adjacent to slab, or when garden works are undertaken adjacent to slab. Final coat/touch up kits are available.

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?:

Yes No

If yes, description of the warning or ban under section 26:

N/A