

koolfoam slab edge/koolfoam retrofit slab edge

BPIR Declaration

Version: v1

Designated building product: Class 2

Declaration

koolfoam industries limited has provided this declaration to satisfy the provisions of Schedule 1(d) of the building (Building Product Information Requirements) Regulations 2022.

Product/system

| | |
|-------------------|---|
| Name | koolfoam slab edge/koolfoam slab edge retrofit |
| Line | koolfoam slab edge https://koolfoam.co.nz/koolfoam-slabedge/ koolfoam retrofit slab edge https://koolfoam.co.nz/wp-content/uploads/2023/06/KEP0007-KoolFoam-Slab-Edge-Insulation_Web_%C6%922.pdf |
| Identifier | koolfoam slab edge koolfoam retrofit slab edge |

Description

Koolfoam Slab Edge...

Has excellent compressive strength and thermal performance

Is tough, durable and moisture resistant.

Is compliant with the latest New Zealand Building Code insulation requirements.

Is designed and manufactured in New Zealand to meet the requirements.

Can be painted with acrylic paint.

Comes in two heights to suit a 300mm slab and a 400mm slab.

Comes pre-finished with a concrete plaster outer to give a protective layer to the Koolfoam XPS

Conditions of use

koolfoam slab edge must be kept away from fire, petroleum based solvent and direct sunlight.

Koolfoam eps must be handled with care

Relevant building code clauses

B1 Structure – B1.3.1, B1.3.2, B1.3.3 (a, b, f, g, h, m, q), B1.3.4

B2 Durability – B2.3.1 (a), B2.3.2 (a, b)

E2 External moisture – E2.3.3, E2.3.7

F2 Hazardous building materials – F2.3.1

H1 Energy efficiency – H1.3.1 (a, b), H1.3.2E

Contributions to compliance

compliance documents are available on request

The following additional documentation supports the above statements:

koolfoam slab edge

<https://koolfoam.co.nz/koolfoam-slabedge/>

For further information supporting koolfoam slab edge/koolfoam slab edge retrofit claims refer to our website.

Contact details

| | |
|--|--|
| Manufacture location | New Zealand |
| Legal and trading name of manufacturer | EPSFOAM NZ LTD |
| Manufacturer address for service | 80B HUNUA ROAD PAPAKURA |
| Manufacturer website | www.epsfoam.co.nz |
| Manufacturer email | epsfoam@xtra.co.nz |
| Manufacturer phone number | 09 299 6901 |
| Manufacturer NZBN | 9429033642246 |

Responsible person

As the responsible person as set out in Regulation 3, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that koolfoam slab edge/koolfoam slab edge retrofit is not subject to a warning on ban under [s26 of the Building Act](#).

Signed for and on behalf of **EPSFOAM NZ LTD**

Kulwinder Bath

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Appendix

Note: The below appendix includes information relating to BPIR Ready.

Publishing this information is not a requirement under BPIR. Its inclusion here is to provide a reference for how this BPIR summary was generated as well as to help summary creators understand the performance clauses suggested by BPIR Ready.

BPIR Ready selections

Category: Foundation systems

Building code performance clauses

B1 Structure

B1.3.1

Buildings, building elements and *sitework* shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

B1.3.2

Buildings, building elements and *sitework* shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings, building elements* and *sitework*, including:

- (a) self-weight
- (b) imposed gravity loads arising from use
- (f) earthquake
- (g) snow
- (h) wind
- (m) differential movement
- (q) time dependent effects including creep and shrinkage

B1.3.4

Due allowances shall be made for:

- a. the consequences of failure,
- b. the intended use of the *building*,
- c. effects of uncertainties resulting from *construction* activities, or the sequence in which *construction* activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. accuracy limitations inherent in the methods used to predict the stability of *buildings*

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (a) the life of the building, being not less than 50 years, if: those building elements (including floors, walls, and fixings) provide structural stability to the building, or those building elements are difficult to access or replace, or failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

B2.3.2

Individual *building elements* which are components of a *building* system and are difficult to access or replace must either:

- (a) all have the same durability
- (b) be installed in a manner that permits the replacement of building elements of lesser durability without removing building elements that have greater durability and are not specifically designed for removal and replacement

E2 External moisture

E2.3.3

Walls, floors, and structural elements in contact with, or in close proximity to, the ground must not absorb or transmit moisture in quantities that could cause undue dampness, damage to *building elements*, or both.

E2.3.7

Building elements must be constructed in a way that makes due allowance for the following:

- a. the consequences of failure:
- b. the effects of uncertainties resulting from *construction* or from the sequence in which different aspects of *construction* occur:
- c. variation in the properties of materials and in the characteristics of the site.

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

H1 Energy efficiency

H1.3.1

The *building* envelope enclosing spaces where the temperature or humidity (or both) are modified must be constructed to

- (a) provide adequate thermal resistance
- (b) limit uncontrollable airflow

H1.3.2E

Buildings must be constructed to ensure that their building performance index does not exceed 1.55.