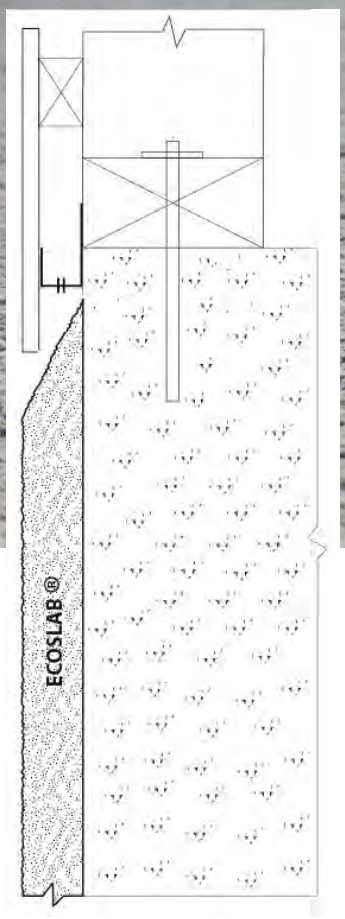


ecoslab

POST INSTALL Installation Guide

SLAB EDGE INSULATION

ecoslab® Installation Outline & FAQ's

Considerations for design

ecoslab® POST INSTALL is a thermal insulation system designed to be installed to the outside faces of concrete floor slabs for residential and commercial buildings. It is to be set immediately adjacent/flush to the outside face of the slab **after** the external cladding has been applied, but prior to ground works being undertaken.

ecoslab® POST INSTALL should be set with the top edge bevel installed to ensure the external cavity is not compromised, with a specified gap below the dripline of cladding. **eco**slab® is designed to insulate the available face of the slab edge, the corners with minimal thermal breaks.

ecoslab® needs to sit flush to the face of the concrete slab edge without gaps. This requires a true clear full face of concrete edge to minimum F2 level. Formwork at time of slab install should not be rough saw timber planks. Ideal is clear face shutter systems.

ecoslab® can assist in attaining Homestar™ points.

ecoslab® Post Install - Components

System components include;

1. 2.2m lengths **eco**slab® (at set slab face heights),
2. Pre formed reinforced continuous insulation corners at same height as lengths,
3. Specialist adhesive for **eco**slab® to concrete slab edge
4. Resin/cement sealing kit for onsite cuts
5. Patch kit of resin acrylic polymer chip coat for final touch up to joins.

ecoinsulation

Selecting the product

Slab Height range (mm)	*eco*slab® Heights (mm)	XPS thickness at base (mm)	*eco*slab® Lengths (mm)	Part # for ordering lengths	Part# for CORNERS to suit
200 or less	197	40	2200	ES-PO-197	ES-POCNR-197
230-250	235	40	2200	ES-PO-235	ES-POCNR-235
290-310	300	30	2200	ES-PO-300	ES-POCNR-300
380-420	390	30	2200	ES-PO-390	ES-POCNR-390

Special heights can be made on request. If over-height, base can be trimmed./scribed to grade

When ordering; Advise # of outside corners, together with overall lineal meters of slab edge to be insulated. (Note inside corners are formed by cutting and butting together).

Tools for installation

- Drop saw (or similar) for cutting lengths.
- Scribing saw
- ***eco***slab® adhesive.
- Shims/wedges if grade uneven and to ensure top edge set to maintain gap to cavity system
- Mixing bucket and tools for applying adhesive.
- Paint Brush, wash rags.

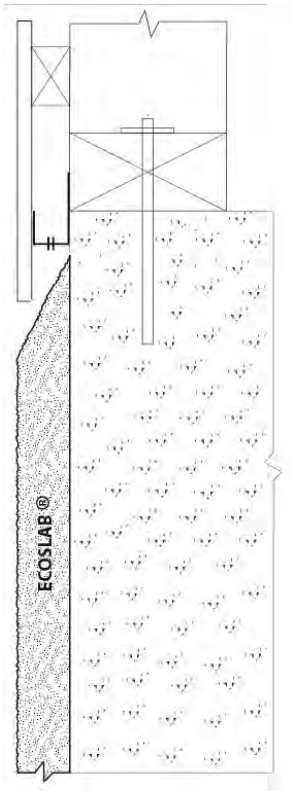
Installation steps

After external wall cladding systems installed, and **before ground works/ backfill** of site;

1. Ensure the slab edge is clean, has no concrete stepping or slurry tags, remedy to true square surface prior to installation of ***eco***slab® .
2. Complete a 'dry run' install, no adhesive.
3. Start with external corners, set and cut to height ***eco***slab® corners
4. Set and scribe base of 2.2m lengths ensuring butt joins are flush to top, ensuring cavity/gap to back of cladding system is maintained as specified,
5. When cutting any item (scribing base of corners/lengths or when cutting to length) ensure cuts have ***eco***slab® sealer applied, allow to dry for 10-15 minutes.
5. For internal corners, cut lengths to overlap and butt ends without gaps.
6. Using wedges, ensure cavity clearances are maintained below drip line of cladding.

Installation (continued)

10. Once ‘dry fit’ completed, fix corners first, then complete runs between corners with pre cut lengths.
11. Ensure downpipes and any other services are 50mm set out from slab edge to allow ***eco***slab® install.
12. Apply adhesive to both slab edge and back of ***eco***slab® element.
13. Press units to concrete face, ensuring wedges in position to maintained specified clearances below drip line, and prop ***eco***slab® in place.
14. Adhesive drying time 20 minutes
15. Complete entire perimeter of slab,
    - cut to form at doorway set-downs
    - Set top edge of bevel just below grout line of blockwork/ brickwork, ensuring no weep holes covered.
    - Check no gaps
12. Apply ***eco***slab® patch resin acrylic polymer chip coat for final touch up to joins. Allow 30 minutes dry time
13. Ensure all excavation, drainage, civil works adjacent to slab after does not penetrate, puncture or remove ***eco***slab® .
14. ***eco***slab® can be painted any colour using suitable external acrylic paint systems.
15. ***eco***slab® requires minimal maintenance; advise property owner/ users to avoid striking slab edge with sharp metal objects, such as spades.



SLAB EDGE INSULATION

Frequently Asked Questions

What is the R-Value of ecoslab® protected edge insulation?

A: All ***eco***slab® POST-Install slab edge insulation has ClimaFoam XPS as the base insulation. ClimaFoam XPS has a thermal conductivity performance of 0.028W/mK. Where applied to the edge of the slab (no gaps or bridging through exposed concrete) the ***eco***slab® 30mm systems deliver an average of R1.0 or better to the applied edge. Higher R-values and thicknesses are available if required.

How long does it take to install ecoslab®?

A: For a typical slab of 100-150m2, allow 2 team members at least one day. Note, the more corner details and variable slab heights/conditions the longer it will take to set up!

Can ecoslab® be installed to any concrete floor/slab type?

A: Always verify details with your designer/architect - ***eco***slab® has been designed to work in conjunction with any slab on grade with a clear flat external slab face. Confirm location of the insulation in relation to the cladding system and cavity.

What happens when ecoslab® is exposed to water?

A: ***eco***slab®'s core insulation is ClimaFoam XPS. The manufacturer of ClimaFoam XPS state: *"ClimaFoam Extruded Polystyrene (XPS) is a high performance, water resistant and lightweight board of thermal insulation recommended for use under concrete slabs, green roofs, edge beams, cavity walls, external walls and cool rooms*". In addition to this, each length as well as the preformed corners of ***eco***slab® have two coats of a resin/cement bond to further reduce the chance of water penetration. The fibre reinforced acrylic polymer chip outer layer adds the to external protection and durability.

Do you always need to use the preformed corners?

A: The ***eco***slab® insulation preformed corners are designed for OUTSIDE corners. The insulation design, together with the reinforced corner ensures insulation is suitably applied to the majority of the slab edge

Note: INSIDE corners are created by cutting to length and tightly abutting joins.

Maintenance requirements for ***eco***slab®

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. ***eco***slab® has been designed to cope with exposure, but can be damaged by sharp objects. Should this occur, the ***eco***slab® tidy up kit can be applied ensuring a seal and aesthetic render is returned.

Additionally, the building owner should be advised that ***eco***slab® is present, and that care should be taken when excavating adjacent to slab, or when garden works are undertaken adjacent to slab. Touch up kits are available.

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