

NRG GREENBOARD™ INSULCON™ - Coating System Guide

Overview

What is NRG Greenboard?

The NRG Greenboard™ is an innovative insulated wall panel that integrates exterior cladding with EPS insulation, enabling designers to meet the new 6-star energy ratings mandated by building codes. Its core features high-quality expanded polystyrene (EPS), offering insulation options ranging from 1.92R to 3.96R. This dual cladding system serves as an effective thermal envelope for exterior building surfaces. NRG Greenboard™ EPS insulated wall panels are lightweight and energy-efficient. Once coated, they provide a weather-resistant, seamless rendered finish.

The fundamental elements of this system are:

1. Building wrap as per NRG Greenboard™ requirements.
2. NRG Greenboard as per NRG Greenboard™ installation manual.
3. Flashing tape for weatherproofing window and door openings as per NRG requirements.
4. Class 3 galvanized screws for fastening sheets as per NRG Greenboard™ Technical Manual
5. Fixings and washers as per NRG Greenboard™ requirements.
6. Alkali-resistant fiberglass reinforcing mesh (160 gsm minimum) as per Insulcon installation manual
7. External Angle/bead trims used around external edges as per NRG installation manual
8. Approved adhesive for bonding all sheet edges during installation as per NRG installation manual
9. Base coat of Insulcon high polymer modified render as per Insulcon Panel installation manual
10. Second coat of Insulcon Acrylic Render as per Insulcon technical data sheet ensuring a minimum render thickness of 5mm in total has been achieved.
11. Insulcon Texture as per Insulcon Panel installation manual
12. 2 coats of Insulcon Membrane as per Insulcon Panel installation manual

Please note, this document serves as a general guide for product selection purposes and does not encompass all required section details. All materials need to be suitably prepared and applied to a totally clean surface, removed of all loose particles, such as dirt, dust, etc. Insulcon does not recommend the use of colors with a LRV [Light Reflectance Value] of less than 40% over Polystyrene Cladding systems. Installation manuals & technical data sheets to be fully adhered to. Expansion joints are required in accordance with building regulations and NRG installation manuals. Please see in store for more information. Failure to do so can cause damage to the finished product. Insulcon takes no responsibility for problems arising from this.

Installation manuals & technical documentation for NRG Greenboard, available for download at www.nrggreenboard.com.

Installation manuals & technical documentation for Insulcon, available for download at www.insulcon.com.au






Technical Support

For all Insulcon products technical assistance call: (03) 9768 2335 or email sales@insulcon.com.au



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Schedule for Coating Application - Sequential Order

PRODUCT	METHOD OF APPLICATION	SPREAD RATE	COATING THICKNESS (MM)
NRG Greenboard™ 	Install and prepare in accordance with the NRG Greenboard installation manual, available for download at www.nrggreenboard.com .	N/A	N/A
1st Coat Insulcon Polymer / Insulcon Hi Lite + / Insulcon Lightweight 	Install in accordance with the Insulcon Panel installation manual, available for download at www.insulcon.com.au	3-8sqm*	3-5mm*
2nd Coat Insulcon Medium Render / Insulcon Fine Render 	Install in accordance with the Insulcon Panel installation manual, available for download at www.insulcon.com.au	3-5sqm*	2mm*
3rd Coat Insulcon Texture 	Install in accordance with the Insulcon Panel installation manual, available for download at www.insulcon.com.au	10-12sqm*	1mm*
Optional Coats 2 coats of Insulcon UV Render Paint 	Install in accordance with the Insulcon Panel installation manual, available for download at www.insulcon.com.au	40-60sqm*	80 microns*



INSUL-CON MATERIAL WARRANTY

10 year* material warranty is available whereby the applicator adheres to the full Installation Manual which includes but not limited to: Full Acrylic Render system with texture coating & 2 coats of membrane.

7 year* material warranty is available whereby the applicator adheres to the full Installation Manual which includes but not limited to: Full Acrylic Render system with Texture Coating.

Terms and Conditions Apply. See instore for further information.

Insulcon Pty Ltd warrants all its coatings and coatings systems when applied in accordance with the relevant technical specifications against peeling and delamination. See warranty for further information.

The following is strictly adhered to for Insulcon material warranty:

1. Warranty from date of purchase for replacement of defective product only.
2. Insulcon Material warranty request form was submitted 1 week prior to commencement of project.
3. The applicator has a professional background and has full understanding of application process.
4. The Insulcon Panel System's manual has been fully adhered to
5. No unapproved additions or modifications to the product or system are made.

Insulcon Pty Ltd shall not be responsible for the following:

6. Damage caused by accident, misuse or abuse of the product.
7. Normal wear and tear including colour fade due to weathering.
8. Damage caused by movement, fire or water.
9. Failure caused by faulty application including by weather prior to curing.

Limitation of Liability:

10. Except as explicitly stated above, Insulcon Pty Ltd is not liable for any direct, indirect or consequential loss any user suffers, incurs or is liable for in connection with the supply of Insulcon Pty Ltd products and systems including without limitation 3rd part claims. Insulcon Pty. Ltd.'s liability is strictly limited to the maximum value of the purchase contract between Insulcon Pty. Ltd. and the applicator.
11. If, in the sole opinion of the company, any products are found to be defective during the warranty period, then Insulcon Pty Ltd will replace or repair the products at its option.

The NRG Greenboard™ system as installed as per NRG Greenboard™ installation manual is covered by its own warranty. Contact NRG Greenboard™ for further details or visit www.nrggreenboard.com

Technical Support

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