

# decomix™ MADE TO LAST... MIX EASY 100

## NRG GREENBOARD™



### DESCRIPTION

- ✓ NRG Greenboard™ is an insulating walling system suitable for external cladding of timber or steel framed buildings as well as solid concrete and masonry walls
- ✓ NRG Greenboard™ provides a weather resistant, seam free rendered finish in a wide range of textures and colours
- ✓ NRG Greenboard™ provides continuous thermal insulation over the entire wall
- ✓ NRG Greenboard™ is energy efficient, cost effective and flexible construction
- ✓ NRG Greenboard™ is perfect for any weather environment from dry arid areas to tropical and alpine regions
- ✓ NRG Greenboard™ has a six star energy efficient rating
- ✓ NRG Greenboard™ combines external cladding with insulation to provide continuous thermal insulation over the entire wall area
- ✓ NRG Greenboard™ when rendered, provides a lightweight weather resistant seam free rendered finish
- ✓ For further information please go to [www.nrggreenboard.com](http://www.nrggreenboard.com)

### MATERIALS

- ✓ NRG Greenboard™ base sheets installed as per NRG Greenboard™ installation manual
- ✓ Approved flashing tape for weatherproofing window and door openings
- ✓ Aluminium starter channels for providing a neat and durable lower edge
- ✓ Class 3 galvanised screws for fastening sheets. (refer to NRG Greenboard™ technical manual)
- ✓ Fixing washers as per NRG Greenboard™ requirements
- ✓ Approved adhesive for bonding all sheet edges during installation
- ✓ Alkali-resistant fibreglass mesh (165 gsm minimum) for inclusion in the first coat of render
- ✓ Fibreglass/PVC combination angles for application to external corners
- ✓ decomix™ Mix Easy 100 for both 1st reinforced render coat and 2nd coat
- ✓ decomix™ Primer for application to finished rendered surface prior to the application of a decorative finish coat. (Optional if render is to be painted with two coats of decomix™ Flex)
- ✓ decomix™ textured finish coat in selected grade and colour. (Optional if render is to be painted with two coats of decomix™ Flex)
- ✓ decomix™ Flex for protective, low maintenance finish coat

### PREPARATION

- ✓ Install NRG Greenboard™ panels, once installed, must be rendered as soon as possible
- ✓ Contact NRG to confirm allowable time lapse between sheet installation and rendering
- ✓ NRG Greenboard™ system must be clean and free of any impurities which may affect the bond strength of the acrylic texture coating system
- ✓ Remove any loose, chalky or flakey material by brush

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## NRG GREENBOARD™



### COATING STEPS OF APPLICATION

| PRODUCT                                   | PURPOSE   | THICKNESS  | NOTES   |
|---|---|--|---|
| NRG Greenboard™                           | N/A   | N/A  | Install as per NRG Greenboard™. Installation manual available at <a href="http://www.nrggreenboard.com">www.nrggreenboard.com</a> |
| decomix™ Mix Easy 100                     | Provides adhesion to base panels and encases reinforcing mesh<br>Coat provides key strength of coating system | Approx. 6-8mm  | Required all systems<br>Includes embedded FG mesh, external angles and all reinforcing strips                                     |
| decomix™ Primer                           | Provides a sound, weather resistant base and alkalinity barrier for application of texture coating            | Approx. 6m2 litres   | Required where texture finish is to be applied for 10 year system   |
| decomix™ Glitter WR<br>decomix™ Barcelona | Provides a decorative texture finish<br>Provides durability of the coating system                             | Varies, depending on selected texture finish<br>See product specification data | 1 coat<br>(optional if painted finish)  |
| decomix™ Flex                             | Improves resistance to moisture intake, fading, dirt pickup<br>Provides limited crack-bridging ability        | Approx. 6-8m2 / Lt   | 2 Coats<br>Selected colour must have LRV>40%  |

### NRG GREENBOARD™ SYSTEM INSTALLATION

- ✓ Install NRG Greenboard™ system as per technical documentation
- ✓ NRG Greenboard™ information is available at [www.nrggreenboard.com](http://www.nrggreenboard.com)
- ✓ All Abutting sheets joints must be fully glued with liquid or foam polyurethane construction sealant/adhesive
- ✓ Flashing tape applied from joinery to building wrap on wall studs or as NRG Greenboard™ requirements

### PREPARATION FOR RENDER APPLICATION

- ✓ The NRG Greenboard™ system must be clean and free of any impurities which may affect the bond strength of the acrylic texture coating system
- ✓ Remove any loose, chalky or flakey material by wire brush
- ✓ Install NRG Greenboard™ panels, once installed, must be rendered as soon as possible
- ✓ Contact NRG to confirm allowable time lapse between sheet installation and rendering

### RENDER COAT APPLICATION

- ✓ Apply decomix™ Mix Easy 100 to the NRG Greenboard™ sheet at the thickness of approximately 3-6mm
- ✓ Embed alkali resistant fiberglass mesh (160gms minimum) into the wet render ensuring 100mm overlap is provided at mesh joints
- ✓ Float to a smooth finish ready to accept s second coat of render

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- ✓ Corners at openings including windows and door frames must be diagonally reinforced with 400mm x 200mm fiberglass bandages embedded in the first decomix™ Mix Easy 100
- ✓ Apply a second coat of decomix™ Mix Easy 100 at a thickness between 2-3mm
- ✓ Ensure a total render thickness of 5mm in total has been achieved
- ✓ Control and movement joints must be placed as per NRG Greenboard™ technical manual or engineers recommendations and must not be bridged by the render or texture coating system
- ✓ Allow rendered surface to cure for a minimum of 4 days prior to priming with a single coat of decomix™ Primer (optional if applying a 2 x coat of decomix™ Flex)

### FINISH COAT APPLICATION

- ✓ Apply selected trowel-on or roll on texture finish in a chosen finish as per technical data sheet
- ✓ Allow to dry a minimum 24 hours prior to painting
- ✓ Apply two coats of decomix™ Flex in selected colour.
- ✓ Dark colours must be avoided to reduce risk of thermal cracking
- ✓ Selected colour must have an LRV greater than 45%

### CAULKING AND SEALANTS

- ✓ All weatherproofing sealants, caulking and control/movement joints must be applied/installed as per NRG Greenboard™ requirements and must not bridge the coating system

### WARRANTY

- ✓ When applied in accordance with the above specification, decomix™ will provide a 10 year materials warranty against peeling and delamination provided that listed system is followed in FULL. This warranty does not cover workmanship or product failure caused as a result of hydrostatic pressure or structural movement. See warranty for details
- ✓ 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](http://www.nrggreenboard.com)
- ✓ Change in colour of acrylic finishes is a natural part of the aging process and is excluded from all warranty terms

#### NOTE:

Acrylon Industries Pty Ltd, its staff and distributors will not accept responsibility for any failure caused as a result of factors beyond our control including but not limited to onsite handling, preparation or application of this product. Application of this product should only be performed by qualified trades people trained in the use of this type of product. Information supplied in this publication is based on our testing and experience and is given in good faith. Suitability of this product should be independently determined prior to use. Warranty is limited to the replacement of any materials proven to be faulty. Acrylon Industries Pty Ltd will not warrant job defects caused as a result of but not limited to, structural/substrate movement or entrapped moisture.

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