

## NRG 75 SYMMETRI-CLAD | INSTALLATION GUIDE

### NRG 50mm GREENBOARD + NRG 25mm GREENBOARD TILE (900 x 900 x 25)

#### STEP 1. SELECT & FIX

NRG 50mm Greenboard as per standard NRG Specification Manual.

#### STEP 2. DESIGN:

Symmetrically designed grid pattern selected. Set out on NRG Greenboard wall elevation. Using level, straight edges, and/or chalkline, create your desired NRG Feature Clad elevation. Feature bead dimensions are 15mm (width) x 10mm (depth). So for tolerance factors, allow a 20mm dimension for all horizontal and vertical width set-out. The depth dimension is automatically gauged by NRG Symmetri Panel. *(TIP: Scale design brief options, onto plan elevation. Select, and transfer to full scale wall, factoring in windows / doors to achieve final grid design.)*

#### STEP 3. NRG TILE:

NRG Symmetri-Clad Tile Dimensions are sized at 900mm x 900mm x 25mm. Simply cut desired NRG tile size to symmetrical layout pattern dimensions. Using screw mechanical fixings, (see Screw fixing table 1.0) in combination with foam glue adhesive, place panel into position, ensure all air pockets from foam glue adhesives are pressed out. Firmly apply pressure to panel, then mechanically screw/washer fix, through 1st layer of NRG Greenboard cladding, into wall structure.

#### STEP 4. NRG PVC INTERSECTOR:

(INTERSECTION) With precision, place NRG PVC Intersectors into position. Using Bostik 'no more nails', position and fix accurately using galvanised 30mm clouts, press clouts into NRG polystyrene to locate exact coordinate.

#### STEP 5. INSTALL PVC BEADS:

With precision, install NRG feature recess bead, vertically (plumb) and horizontally (level). Cut 100% precise butt joints between already installed NRG PVC Intersector jointer. For external and internal corners, *(see 'TIP' below)* cut accurate 45 degree mitre/s. Apply Bostik seal'n flex to NRG PVC jointer housings, prior to installation of main recess beads. Using Bostik 'no more nails', glue main bead into position, and press into housing joint of NRG Jointer. Alignment, to all PVC joints is pivotal. NRG starter beads size are 75mm, to suit NRG composite laminate, finished dimensions. *(TIP: Using a 4" grinder with either a 'waifer' or 'Diamond' blade, ensures precision PVC bead intersection joints)*

#### STEP 6. NRG POLYMER RENDER:







NRG Polymer modified render, 1st and 2nd coat with fibreglass mesh, (as per NRG Spec.)

#### STEP 7. NRG ACRYLIC TEXTURE:

NRG acrylic sand medium application, as per NRG Render Specification

#### STEP 8. ACRYLIC PAINT:

NRG Shield Coat exterior acrylic paint applied finishes as per required specification.

TABLE 1.0		NRG SYMMETRI-CLAD		FIXING TABLE	
NRG	TIMBER FRAMES	STEEL FRAMES	ACCESSORIES		
50MM GREENBOARD	CLASS 3 10-8 x 100MM CSK HEAD	CLASS 3 8 - 18 x 75MM DRILL POINT CSK HEAD	BOSTIK GLUE	SEAL N FLEX	FOAM GLUE
					
25MM GREENBOARD TILE	CLASS 3 10-8 x 100MM CSK HEAD	CLASS 3 10 - 16 x 100MM DRILL POINT CSK HEAD			
WIND CLASSIFICATION FIXING TABLES: (SEE NRG SPECIFICATION 16.1.3 TABLE B.2)					

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**CALCULATION GUIDE:** NRG 50mm Greenboard: 1200 x 2.480 = 3m<sup>2</sup> per sheet | NRG 25mm Tile: 900 x 900 x 25 (x 12 Tiles/Pack) = 9.72m<sup>2</sup>



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STEP 2. DESIGN GRID:

STEP 3. NRG TILE:

STEP 4. NRG PVC INTERSECTOR:

STEP 5. INSTALL PVC BEADS:

STEP 6. NRG POLYMER RENDER:

STEP 7. NRG ACRYLIC TEXTURE:

STEP 8. ACRYLIC PAINT:

See other side for  
more details 

