



CODEMARK™
Building Confidence

Sunhood and Blade 12 Point Installation Guide

Refer to NRG Specification Guide - www.nrggreenboard.com



Environmentally Responsible. Energy Efficient. Building Systems.



STEP DETERMINE NRG SUNHOOD OR NRG BLADE**1** ...positioning to exterior wall/ window/ door.**IMPORTANT: TO BE INSTALLED BY QUALIFIED TRADESMEN****STEP** DETERMINE EXTERIOR WALL STRUCTURE & SUBSTRATE:**2** ...Timber/steel frame, masonry block/brick, tilt panel. Select correct galvanised mechanical fixings for exterior wall structure/substrate (see table below).**GALVANISED BRACKET MECHANICAL FIXING TABLE**

SUBSTRATE	GALV 12MM Dia	MIN LENGTH	EXAMPLE
Masonry	Dyna Bolt	50mm	Tilt Panel/ Block
Masonry	Coach Screw/Plug	65mm	Brick Veneer
Timber Frame	Coach Screw	65mm	Cladding Substrate
Steel Frame	Purlin Bolt	30mm	Cladding Substrate

STEP ENSURE LEVEL LINE SET OUT:**2.1** ...to the underside of the NRG Sunhood, desired height. Locate and fix galvanised mechanical brackets to wall structure @ 600mm centres maximum. (NOTE: Polyurethane seal back plate of bracket & bolt penetrations to wall structure/ substrate to prevent water egress).**STEP** TRANSFER BRACKET CENTRE DIMENSION:**3** ...to the rear back edge of the NRG Sunhood/ Blade. Position height co-ordinate of axis (for bracket hole) approximately 50mm up from the base of Sunhood or centre- line of blade.**STEP** USING A 30mm DRILL BIT:**4** ...bore this oversized hole to the required depth to each corresponding bracket. Thoroughly remove all loose e.p.s bead debris.**STEP** DRY FIT NRG SUNHOOD/BLADE:**5** ...onto structural galvanised bolted brackets to wall structure. Ensure Sunhood/Blade fits correctly (level & plumb) at this stage.**STEP** REMOVE NRG SUNHOOD/BLADE:**6** ...Place face (front edge) down onto ground level. Using expandable trigger foam, inject (saturate) all 30mm bored holes ensuring liquid foam has encased entire sleeve hole from its base up to the outer edge. Also generously trigger foam the back edge face that is to secure to wall structure.**STEP** SLIDE NRG SUNHOOD/BLADE:**7** ...onto brackets and push back until the rear back face of the Sunhood/ Blade compresses tight back to wall structure. Check for level/ plumb into final position and temporarily prop support for 24 hours.**STEP** ADHERE P.V.C. UV STABILISED EXTERNAL BEADS:**8** to all external corners and use expansion bead to underside front edge to form a drip groove.**STEP** PRIMARY & SECONDARY POLYURETHANE SEAL:**9** (prior to render) ...Sunhood/Blade attachment at wall intersection. Secondary over seal post render (prior to waterproofing process)**STEP** NRG RENDER ACRYLIC SYSTEM:**10** ...1st coat and 2nd Polymer Modified render/ fibreglass mesh. Top coat acrylic texture. NOTE: 48 HOUR CURE TIME ('V' disk join @ wall top internal for Polyurethane Secondary over seal).**STEP** WATERPROOF APPLICATION:**11** ...x 2 coats over top face, (turn up 100mm onto wall face) front edge and bottom edge return to drip groove. (NOTE: Using a polyurethane UV stabilised exterior membrane)**STEP** APPLIED FINISHES: NOTE: To exterior**12** specification for rendered surfaces.