

INSTALL GUIDE

Reflecta All-In-One™ PERMANENT INSULATED SAFETY NET



REFLECTA ALL-IN-ONE™ THE SAFER SOLUTION

We take care of each other and those we work with

Correct installation of any fall arrest is the difference between life and death or permanent injury when working at height.

WARNING: IT IS YOUR RESPONSIBILITY TO CLOSELY FOLLOW THE INSTRUCTIONS CONTAINED WITHIN THIS DOCUMENT FOR THE CORRECT INSTALLATION OF REFLECTA ALL-IN-ONE™. IF YOU ARE UNCLEAR ON A FIXING DETAIL, PLEASE CONTACT GI BUILDING SCIENCES ON (07) 3200 6522.

CORRECT INSTALLATION OF REFLECTA ALL-IN-ONE™

- STEP 1** Using a Continuous Rope System, pull **Reflecta All-In-One™** over the roof, so that the material is perpendicular to the roof purlins. Pull the product tight so that there is no artificial sag.
- STEP 2** Use Buildex 10-24 x 40mm Wafer Teks Climaseal 3 screws with M10 x 27mm x 2mm galvanised heavy extra large mudguard washer, OD of fixing and diameter no less than 27.5 - 50mm. Screws and washers are installed at 150mm at the T junction where the longitudinal and cross-wire meet. The screws used should be in keeping with the following guidelines and properties as per the manufacturer's requirements described below.

Note:

WARNING: BUILDDEX, POWERS FASTENERS AND OTHERS WARN OF THE REQUIREMENT TO NOT OVERTIGHTEN FASTENERS. IT IS YOUR RESPONSIBILITY TO ENSURE THE SCREW GUN OR DRILL YOU USE DOES NOT SHEER THE HEAD FROM THE SCREWS YOU ARE INSTALLING. PLEASE REFER BELOW AND TO YOUR FIXING MANUFACTURER ON CORRECT USE OF FASTENERS.

INSTALLATION INSTRUCTIONS OF SCREWS FROM BUILDDEX:

1. Use a Number 2 Phillips Cross Recess Driver Bit (Buildex Part 1-991-2201-9)
2. Use a mains powered or cordless screw driver with a 2,500 RPM speed.
3. Fit the Phillips Cross Recess driver bit into the screw and place at the fastening position.
4. Apply consistently firm pressure (end load) to the screw driver until the screw has fastened.

Note continued:

IMPORTANT

Special care should be taken to ensure the power drill or cordless screw driver used for installing fasteners also does not deliver forces in excess of the following:

Mechanical Properties: Single Shear Strength (N) 6,200 | Axial Tensile (N) 11,400 | Torsion Strength 8,6 N-m

Other Properties (Material): Carbon Steel SAE 1022 | Heat Treatment: To AS 3566.1 | Finish: Climaseal 3

Pullout Values (N): Steel Purlin 1,2: 2,320 | Steel Purlin 1,5: 4,280 | Steel Purlin 1,9: 5,820 | Steel Purlin 2,4: 7,680

All values are averages obtained under laboratory conditions and appropriate safety factors should be applied for design purposes.

These figures are applicable to Buildex head marked product only.

Corrosion Performance: 10 -24 Wafer Tek's Climaseal 3 Screw complies to Australian Standards AS3566.2 Class 3

STEP 3 Overlap material along longitudinal joint by 150mm. Side lap stapling is only required where the purlin spacings are 1700mm or wider. Where deemed necessary for superior condensation control, a 72mm or 96mm reinforced foil tape should be used.

STEP 4 Where end joins are required, talk to us about cut to length rolls. Alternatively, material can be end joined by overlapping by 600mm, and should be joined using 3mm ring fasteners at 150mm centres, on the longitudinal strands, where overlapping with transverse wires.

STEP 5 Screw roof sheet through **Reflecta All-In-One™** to purlins.

OTHER INSTALLATION METHODS FOR INSTALLING REFLECTA ALL-IN-ONE™

Where reinforcing medium wrapped around or passed through drilled holes in purlins

The reinforcing medium shall be passed once completely around the roof member or through a hole drilled through the upper horizontal face of the purlin. The tail of the medium should be twisted four times around the main portion of the same wire.

Purlins Greater Than 1200 Centres

Where purlins are at greater than 1200cc a 1.90mm ring fastener or similar may be used to join the side laps at every 900cc between purlins.

Where purlins are at greater than 2200cc material should be side lapped by 300mm and a 1.90mm ring fastener or similar may be used to join the side laps at every 600cc between purlins.

VAPOUR CONTROL MEMBRANE

If the product is installed and used as a vapour control membrane, Class 1 or Class 2, or as an air barrier, it shall be continuously sealed at all discontinuities, end laps, joints and penetrations by

- A pressure sensitive, heat and moisture resistant tape;
- Adhesive of equal or greater vapour resistance than the vapour control membrane;
- Heat and moisture resistant adhesive tape;
- Mechanical fixing with adhesive sealant; or
- Adhesive bond.

Storage and Handling Requirements

Products are to be stored standing upright and on pallets not more than two high. Product warranty is voided for any product stored horizontally resulting in squeeze or crush. Returns of product displaying effects of deformation due to incorrect storage practices will not be accepted.

The product information included in this publication is provided in good faith in order to ensure the optimum performance of this product. However, no warranty is given or implied with respect to this information or the product itself regarding the product's suitability for any particular purpose, as factors outside our knowledge and control may affect its use. The usage of this and other building membranes will affect moisture migration in the building element. The purchaser is responsible for independently determining the sustainability of the product for the intended purpose. GI Building Services Pty Ltd reserves the right to amend product specifications without prior notice. Information provided is considered to be true and correct at the time of publication.



FIRE SAFE



COMFORT, HEALTH
& AMENITY



CONDENSATION
CONTROL



SOUND PROTECTION



REDUCED
POWER COSTS

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