



For Every Season, For Every Reason...

## INSTALLATION PROCEDURE

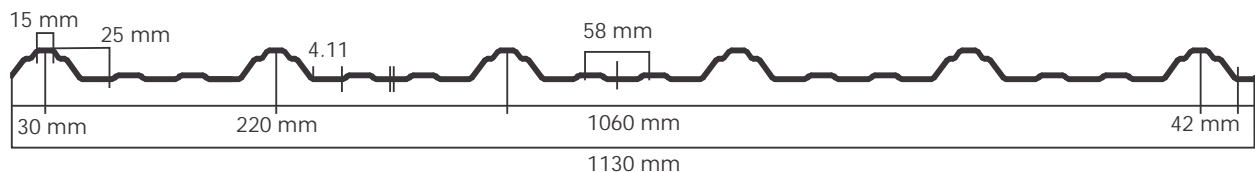


### Procedure (uPVC Multilayer Roofing Sheets)

The fixing methods of DION roofing are very much similar to those for other conventional roofing. Besides saving man hours, its light weight nature enables easy and efficient construction.

While one of the most important roles of roofing is to fight the weather, they also have significant effects on the aesthetic, cost and durability of a building. In Roof Cladding, factors such as rainfall, wind speed, height of building and walking weight on roofs (arising out of maintenance) have considerable effect on design of roof slope, supporting structures and spacing between Purlins. When install, must be use the waterproof fixing accessory and always recommend to experienced fabricator/worker to install DION Roofing sheets.

### Profile Specification



Thickness (mm) : 1.0, 1.5, 2.0, 2.5, 3.0, Weight (Kg.) : 1.0mm-1.8, 1.5mm-2.6, 2.0mm-3.4, 2.5mm-4.0, 3.0mm-5 Approx, Length (Mtr.) : 2.0, 2.5, 3.0, 3.66 and can be customized up to 6.0 Mtr. Color : White, Blue, Green, Terracotta, Ivory & Gray

### Roof & Wall Cladding

#### ▲ Laying of Purlins

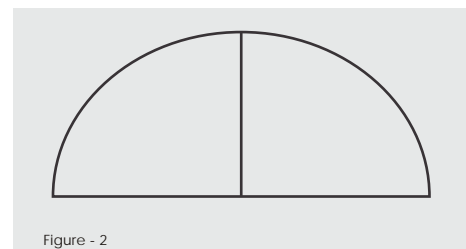
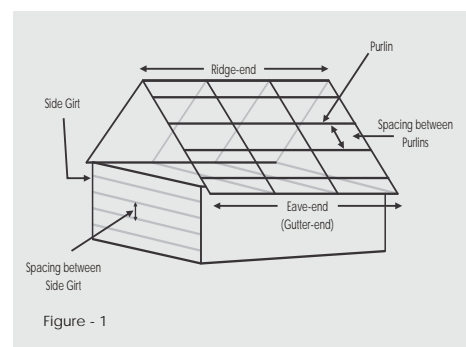
Fix the bottom purlin first. The roof truss structure adopts sectional steel or wood as purlin, the purlin is required to be flat without deformation, and two purlins must be in parallel with uniform span. For DION sheet with thickness of 1mm the purlin span <1.5 feet, 1.5mm the purlin span <2feet, 2mm the purlin span <2.5feet, 2.5 mm the purlin span <3feet, 3mm the purlin span <3.5feet is recommended. For Wall cladding thickness of onwards 2.0mm the purlin span of <3.3feet is recommended.

#### ▲ Wind Load

DION Sheets (2mm) can withstand a load intensity of 220kg/sq.mtr without showing any structural distress or failure. prevailing winds.

#### ▲ Curved Roofs (Figure-2)

When the frame design is established, continuously setup the lines courses to get the right positions of purlins. DION sheets (2mm) are recommended for curved structures with minimum radius of 3mtr. on 12 feet.





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#### ▲ DION Fixing Accessory (Figure-3)

The special waterproof accessory is very important for installation. We need to use the special waterproof accessory to fix the roofing sheet properly. To avoid the roof sheet have unusual circumstance (such as water-leakage, distortion etc.), then effect the lifespan of products. With the special accessories can be waterproof, strong wind withstand and corrosion resistance.

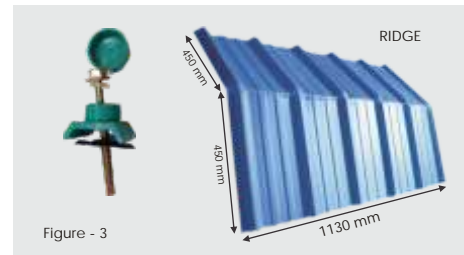


Figure - 3

#### ▲ Fixing of Sheet (Figure-4)

Start fixing sheets at the opposite end of the roof from prevailing winds. Walking over sheets must be done only at supported locations. To walk across, walking boards must be used. Overhang is not meant for foot traffic.

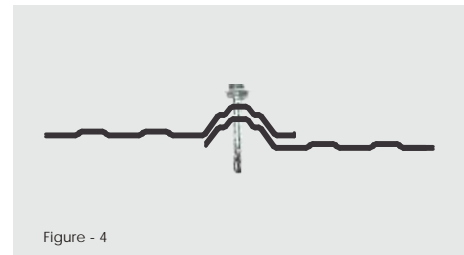


Figure - 4

The structured of accessory fully sealed with screw lead, screw head so as to solve the corrosion, waterproof apron aging and screw holes of the leakage problem, pressed with a waterproof apron below, to prevent infiltration of surface water watt screw hole, screw fixed of the increase, also plays against typhoon function.

The accessory must be installed in the top of wave. We request to use the accessory screw minimum 5 set/sq.mtr and over lap 60mm is recommended, minimum recommended end lap for roof sheet is 150 mm and for wall is 100 mm. The transverse lap joint must be a complete lap jointed slope, the longitudinal lap joint length >1feet. End overhang <1feet and Side overhang <0.3feet. In the case of fixing by tapping screw, drill a hole in advance, the aperture must be 50% larger then the screw diameter, fixing by DION hook is recommended. Screw and DION hook can be used together, the screw must not be over-tightened, and otherwise stress will occur, resulting in local crack on tile surface.

#### ▲ Drilling and Cutting

DION sheets are easiness for Installation easy to cut & drill. For cutting, recommended plastic sharp cutter machine for avoid damage or crack on the sheet.

#### General Care & Maintenance : Handling & Storage

To preserve the surface ensure that the sheets are handled using clean, dry gloves, and do not slide sheets over rough surfaces, or against each other. Store DION sheets neatly stacked, a little above ground level. The sheets should be fully supported on a firm base, of the same dimension as the sheet and at a slight slope. Keep the panels ventilated. Do not leave, transport or store DION uPVC sheets in direct sunlight before or during the installation process. If outdoor storage cannot be avoided, cover the sheets with a color tarpaulin to avoid solar heat gain between the panels.

#### Note

Each user of the material should make his own tests to determine the materials suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as assurances by the company of the suitability. Each user will have to assess the suitability which differs from case to case.

DION or its Distributors / Stockists / Dealers cannot be held responsible for any losses incurred through incorrect installation/use of the material. In accordance with our company policy of continual product development you are advised to check with your local DION supplier to ensure that you have obtained the most up-to-date information.

All information given herein is in good faith. DION shall not be liable for any damages arising out of incorrect use or interpretation.

The Company reserves the right to change any of the above specifications without any prior notice.



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