

COMPANY PROFILE

DION INCORPORATION (An ISO 9001:2008) is a professional new enterprise providing complete roofing system in India. The company has ventured into producing uPVC (Unplasticized Polyvinyl chloride) corrugated three layer Roofing sheets popularly known as Plastic Roofing Sheet under the brand name DION, in the year 2011.

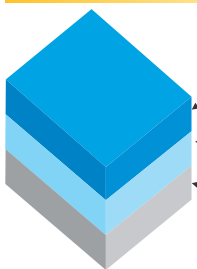
Today with the construction boom, we can meet the rising demand for modern, tough, life secure, economical, long lasting uPVC sheets.

DION uPVC sheets are optimum choice for roofing, walling & cladding. uPVC roofing sheets is the best replacement to conventional asbestos, metal G.I. sheets, fiberglass sheets and ceramic tile sheets, considering its property of heat insulation, sound insulation, water resistance, chemical and alkali resistance, corrosion proof, fire retardant, eco friendly. They are easy to install and move, light weight as well as cost effective in installation. Not only that, but it can save construction cost up to 70%.

DION INCORPORATION (An ISO 9001:2008) is promoted by none other than **SAMÁY** Group.

DION Quality & Aesthetics - A perfect combination to match your roofing needs

MATERIAL STRUCTURE



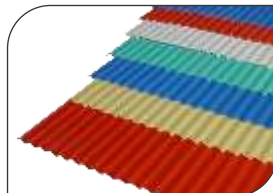
1. Surface Layer - The material is ultra-weather resin, to block the solar ultra violet and reduce the coefficient of heat conductivity, ensure product durability and resistance to chemical corrosion.
2. Surface Intermediate Layer - contains Multi foam giving to the material light weight and improved sound and thermal insulating properties.
3. Underlying layer - for just a good material toughness special to ensure the strength at the same time, increase the rigidity and light illumination.

Three kinds of different materials to give the product their own features and the organically combined to make a new generation of heat insulation uPVC sheet to solve the product durability, corrosion resistance, small rigidity, a sense of space and aesthetics issues.

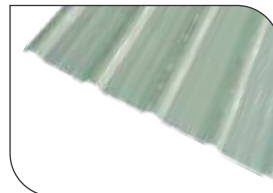
OUR PRODUCT



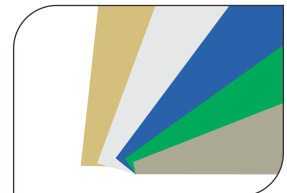
TRAPEZOIDAL WAVE PROFILE



ROUND WAVE PROFILE



TRANSPARENT PROFILE



PLAIN PROFILE

Profile Name	Thickness (mm)	Width (mm)	Length (mtr)	Color
Trapezoidal Wave	1.0, 1.5, 2.0, 2.5, 3.0	1130	2.0, 2.5, 3.0, 3.66	White, Gray, Terracotta, Green, Blue, Ivory
Round Wave	1.0, 1.5, 2.0, 2.5, 3.0	1130	2.0, 2.5, 3.0, 3.66	White, Gray, Terracotta, Green, Blue, Ivory
Transparent	2.0	1130	2.0, 2.5, 3.0	White
Plain	2.0	1220	2.0, 2.5, 3.0	White, Gray, Terracotta, Green, Blue, Ivory

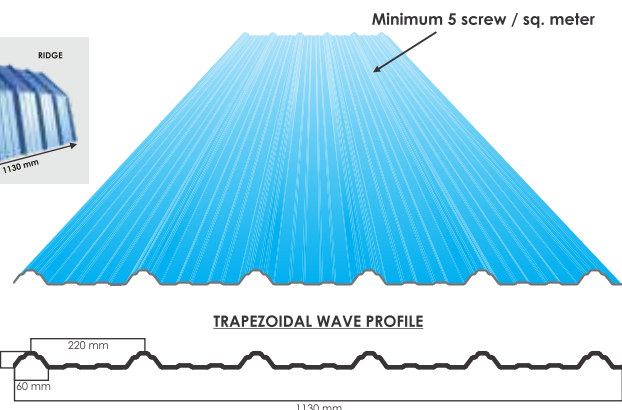
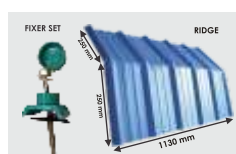
Note : Length can be customizable as per customers required on bulk order only.

Weight (Approx) TW : 1.8 kg per square meter (1 mm), 2.6 kg per square meter (1.5 mm) 3.4 kg per square meter (2mm), 4 kg per square meter (2.5 mm), 5 kg per square meter (3 mm), **RW :** 1.6 kg per square meter (1 mm)

Purlin Span : 1 mm < 1.5 Feet, 1.5 mm < 2 Feet, 2 mm < 2.5 Feet, 2.5 mm < 3 Feet, 3 mm < 3.5 Feet

Property Test Method Value

Property	Test Method	Value
Density	ASTM D 792	1.47 gm/cc
Softening temp. at 10 N	ASTM D 1525	90.6 °c
HDT 66 PSI	ASTM D 648	71.9 °c
HDT 264 PSI	-	66.2 °c
Rate of Burning	ASTM D 648	<5 mm
Tensile Strength at break	TASTM D 638	410 Kg/cm ²
Elongation at break	ASTM D 638	32%
Oxygen index	ASTM D 2863	38%
Flammability	UI 94	Match with V ₀
Water Absorption	ASTM D 570	0.07%



PRODUCT FEATURES



Environmental protection & energy conservation :
It is a kind of environmental-friendly, energy conservation and recycling building material popular in developed and developing countries.



Pressure Prevention :
DION sheets has very good load bearing performance. No damaged when 150kg is evenly loaded with the support distance being 750mm.



Heat & Sound Insulation :
The coefficient of heat conductivity is 0.104 W/m.^{°C}, which is about 1/3 of clay tile, 1/5 of 10-mm-thick cement tile, and 1/2000 of 0.5-mm-thick color-coated steel tile. It can well absorb the noise when influenced by storm, hail and windstorm etc..



Corrosion Resistance :
DION sheets can resist the chemical corrosion of acid, alkali, salt etc. for a long time. The test proves that there is no chemical reaction when dipped in the salt, alkali etc.



Light Weight :
The weight is 3.5 kg per square meters (2mm). Belonging to light structural material, it can effectively reduce the load of the building and save the assumption of building framework materials. In the mean time, it is easy to be handled and lifted, which reduces the construction cost.



Good water resistance :
The surface material of DION is compact and doesn't absorb water without the problem of water penetration by micro pores. The single sheet is big and there is very few joint on the roof. The connecting point is tightly connected; therefore the sheet has the outstanding water resistance performance.



Cost effective & Non-Carcinogenic :
Cost effective in installation and save construction up to 70%, overlapping waste doesn't exceed 8%. High utilization efficiency up to 95% and its good for life fully protected from health hazards.



Flame Retardant :
Self extinguishing, the main body material polyvinyl chloride resin and its chemical performance determine that it is difficult to be burned.

APPLICATIONS

DION is an optimum choice for roofing, walling & cladding in civil and industrial constructions as per the efficiency and benefits it provides. It can be used in many applications both exterior and interior. i.e. Industrial Places, Commercial Places, Residential Places & Agricultural firms etc. like **Factory Building, Warehouses, Market, Vehicle Parking sheds, Farm House, Water Resorts, Cottages, Chemical Industries, Animal House, Construction House, Schools, Colleges, Hotels, Sheltered Walkways, Security Guard Shelters, Roof Extensions, Summer Huts Cycles** etc.

INDUSTRIAL APPLICATIONS



FACTORIES BUILDING



CHEMICAL INDUSTRIES



Eco Friendly &
Energy Efficient
Green Product

COMMERCIAL APPLICATIONS



HOTELS & RESORTS



PARKING SHEDS

DOMESTIC APPLICATIONS



RESIDENTIAL BUILDING



VEHICLE PARKING SHEDS

AGRICULTURAL APPLICATIONS



FOODS INDUSTRIES



GODOWN

Note : Above all information are only for good reference, DION is not responsible for any loss from miss uses or misunderstanding of instruction. Company has power to change in specification at any time. For more details, please visit our website.



DION INCORPORATION

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