



**DION UPVC/ASA Sheets:**  
Unified Solution for Corrosion, Heat, and Sound

# About Us



## Introduction:

DION (An ISO 9001:2015 certified company) is a professional largest manufacturer of the uPVC/ASA sheet in India. the company builds on a legacy of 45 years of expertise in plastic manufacturing. The Company specializes in the manufacturing and distribution of a wide range of products made from uPVC/ASA material. The company is based in Rajkot, Gujarat, India. Founded in 2011.

Today, Dion has strong presence in the domestic and global market and supplies uPVC/ASA sheets to various industries, including Pharma, chemical, fertilizer, iron & metal, Food, hotel, paper etc. There are 500+ projects clients & 55+ channel networks in all over India. The company has a team of experienced professionals who are dedicated to provide high-quality products and excellent customer service. Overall, Dion Incorporation's history is one of continuous growth and innovation, driven by a commitment to providing high-quality products and excellent customer service. DION uPVC & ASA sheet is a type of plastic sheet made from unplasticized polyvinyl chloride (uPVC) & Acrylonitrile styrene acrylate (ASA) material. Dion uPVC & ASA sheet is known for its Anti corrosion, high strength, rigidity and impact resistance. It is also weather-resistance, making it an ideal material for outdoor applications such as roofing & cladding. With our strength "Quality Products, Exceptional customer service, Competitive pricing, Personalization, Convenience, Trustworthiness, Innovation, Social responsibility, Brand reputation & Emotional connection" our primary focus and help those industries, where the corrosion issues are a major challenge.

**Manufacturing Excellence:** DION UPVC Sheet operates state-of-the-art production facilities equipped with advanced machinery and automated processes to ensure precision, quality, and efficiency. As the largest UPVC sheet manufacturer in India, we are proud to combine cutting-edge technology with a commitment to sustainability.

- **Production Capacity:**

Our facility has a robust production capacity, capable of manufacturing 5000SQM/Day ensuring timely delivery for both small and large-scale projects.

- **Technology Integration:**

Leveraging advanced extrusion and ASA technologies, DION UPVC Sheets are engineered to provide superior resistance to weather, UV rays, and corrosion.

- **Quality Assurance:**

Each product undergoes rigorous testing at every stage of production, ensuring only the best reaches our customers.

**We are committed to providing a long-term partnership that goes beyond just selling a product we offer ongoing support and ensure that our roofing solutions are robust, sustainable, and cost-effective.**







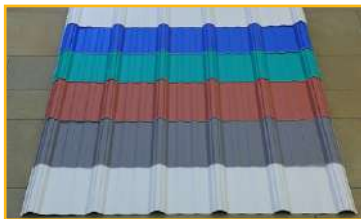
## Product Range



### • DION ASA Tile Sheet

Thickness : 2.3mm, 2.5mm, 3.0mm, Width: 1050mm  
Standard Length : 6ft (5.73ft), 8ft (7.9ft), 10ft (10.07ft), 12ft (12.23ft), 14ft (14.37ft), 16ft (16.5ft), 18ft (17.94ft), 20ft (20.1ft) & can be customized up to 30.15ft for bulk order only.

Color : Terracotta Orange, Terracotta Red, Gray, Blue, Green, Brown



### • DION ASA/UPVC Trapezoidal Profile Sheet

Thickness: 2.0mm, 2.5mm, 3.0mm, 3.5mm, 4.0mm Width: 1130mm  
Standard Length: 8ft, 10ft, 12ft, 14ft, 16ft, 18ft, 20ft & can be customized up to 30ft for bulk order only.

Color: White, Offwhite, Blue, Green, Terracotta, Gray& customizable



### • DION UPVC Round Profile Sheet

Thickness: 2.0mm, 2.5mm, 3.0mm, 3.5mm, 4.0mm Width: 1130mm  
Standard Length: 8ft, 10ft, 12ft, 14ft, 16ft, 18ft, 20ft & can be customized up to 30ft for bulk order only.

Color: White, Offwhite, Blue, Green, Terracotta, Gray & customizable



### • DION UPVC Plain Sheet

Thickness: 2.5mm Width: 1130mm  
Standard Length: 3.0m& can be customized up to 6m for bulk order only.  
Color: White & Blue

Note: Trapezoidal Profile weight/m<sup>2</sup> - 2.0mm 3.66kgs, 2.5mm 4.4kgs, 3.0mm 5.3kgs, 3.5mm 5.7kgs, 4.0mm 6.4kgs, ASA Tile sheet 2.4mm 4.7kgs

## Product Features



#### 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 salt, alkali etc.



#### 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 Strom, and windstorm etc.



#### Flame Retardant :

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



#### Pressure Prevention :

DION sheets has very good load bearing performance. no damaged when 150kg is evenly loaded with support distance being 750mm for 3.0mm thickness.



#### 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 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.



#### Light Weight:

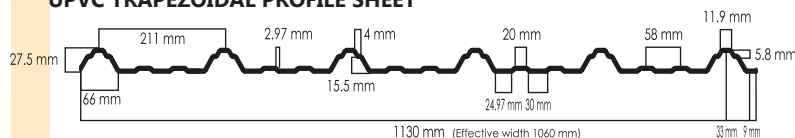
The weight is 3.6kg per square meters (2mm). Belonging to light structural material, it can effectively reduce the load of the building framework materials. In the mean time, it is easy to be handled and lifted, which reduces the construction cost.



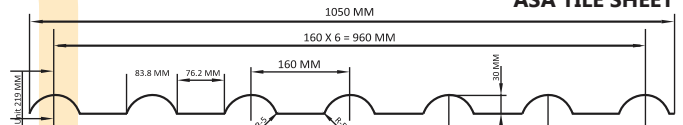
#### Environmental protection & energy conservation:

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

UPVC TRAPEZOIDAL PROFILE SHEET



ASA TILE SHEET



# Accessories



Main Ridge



Main Ridge cap



Side ridge



Side ridge cap



Wall Flashing board



Tile sheet plain ridges



3way ridge



4way ridge



Fascia Board



Gutter drop outlet



Gutter drain end cap



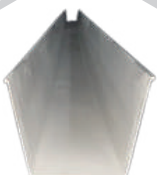
End cap



Polycarbonate Base Plates



Gutter joiner



Upvc gutter



Face curve sheet



Transparent sheet



Upvc ridge

## Material Structure

Layer 1: The Material is ASA (Acrylonitrile styrene acrylate)

Layer 2: 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.

Layer 3: contains Multi foam giving to the material light weight and improved sound and thermal insulating properties.

Layer 4: for just a good material toughness special to ensure the strength at the same time, increase the rigidity and light illumination.

**DION - QUALITY & AESTHETICS**  
A perfect combination to match your roofing needs



Upvc corner



Fixer set



Air ventilator

## PART A

### PARTICULARS OF SAMPLE SUBMITTED

- |  |                 |
|--|-----------------|
| a) Name of Sample ( as stated by party)  | : Sheet         |
| b) Grade / variety / type / size / class | : NA            |
| c) Declared value, if any                | : NA            |
| d) Code No.                              | : NA            |
| e) Batch No. and Date of Manufacture     | : NA            |
| f) Quantity                              | : 01 Nos        |
| g) Mode of Packing                       | : Packed in bag |
| h) Date of Receipt                       | : 02.05.2024    |
| i) Date of Starting                      | : 22.07.2024    |
| j) Date of Completion                    | : 29.07.2024    |
| k) Sealed or not                         | : NA            |
| l) Any other information                 | : NA            |

### Test result

Sample	Test Property	Unit	Test method	Test value
Sample as above	Thermal resistance	---	At 70°C/12 hrs	No effect
	Chemical resistance	---	ASTM D 543	
	a) in dil. HCL			No effect
	b) in dil. NaOH			No effect
	c) in saturated CaCl <sub>2</sub>			No effect

FEATURE	DION UPVC SHEETS	METAL ROOFING	FIBER SHEETS
DURABILITY AT CHEMICAL ENVIRONMENT	12-15 years*	2-3 years	3-5 years
HEAT INSULATION	Excellent	Poor	Moderate
CORROSION-RESISTANT	High	Low	Low
FIRE RESISTANCE	High	Moderate	Low
COST OVER TIME	Low (due to lifespan)	Moderate to High	High



# Some of our projects



PROJECT TYPE: GALVANIZING PLANT  
COVER AREA: 18000 SQ.FT. (APPROX.)  
ISSUE TYPE: HIGHLY CORROSION  
METAL SHEET LIFE: MAX. 2 YEARS

REPLACE MATERIAL: DION UPVC SHEET  
THICKNESS: 3.5MM  
MAX. LENGTH: 10 FEET  
LIFE EXPECTATION: 8 CYCLES OF METAL SHEET WITH PROPER INSTALLATION  
GUIDELINES.



125000 sq.ft. (approx.) project done in the year 2011  
Galvanizing Plant

After 12 years 2023  
No Corrosion & No Other damages

BENEFITS OF DION UPVC MULTILAYER SHEET  
Save 0.05mm replacement and new sheet installation cost of metallic sheet for long



**DION ASA TILE Sheets** Are Ideal use for commercial & residential. Due to its Heat & Sound insulation Properties.

**DION UPVC Trapezoidal Sheets** Are Ideal use for Chemical, Pharma, Fertilizer, steel & iron industries, coastal areas, chemical processing unit etc. Due to its Non corrosive Properties.



## Some of our prestigious clients



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## Installation Guidelines

The fixing methods of DION roofing sheets 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.

Recommended: Purlin span Roofing 750mm-950mm (3.0mm, 3.5mm, 4.0mm) Cladding 1000mm (2.0mm, 2.5mm), Roof Slope min. 12degree, Screws per M2 5nos. min.

Note: The white is our raw material color. The other colors are derived from pigmentation and pigments are subject to color fading.

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



## DION INCORPORATION

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**DION Quality & Aesthetics - A Perfect combination to match your roofing needs.**