



Siddhartha Sunrise Industries Pvt. Ltd.

Factory: Chhipagarh, Rupandehi, Bhairahawa

Corporate Office: 4th Floor, Bagmati Chamber, Teku, Kathmandu, Nepal

VAT NO. : 604243946

Date: December 18, 2023

Product Detail (4-Layer Double Glass Fiber Mesh Reinforced):

Siddhartha Sunrise Industries Pvt. Ltd. is the first company to manufacture UPVC roofing sheet and the only manufacturer of 4 – layers Double Glass Fiber Reinforced UPVC Roofing Sheet in Nepal. We are an ISO 9001:2015 Certified Company, we ensure the highest manufacturing standards are maintained through strict inspection and surveillance. Sunrise Brand 3mm UPVC Roofing Sheet and ASA Colour Coating is made up of 4 layers compounded material. Both sides are high polymer material, core layer is UPVC reinforced with Double Glass Fiber mesh and colour coated with ASA (Acrylonitrile Styrene Acrylate). The roofing sheet is nail able and saw able with the scientific connecting mode and wide width roofing sheet design.

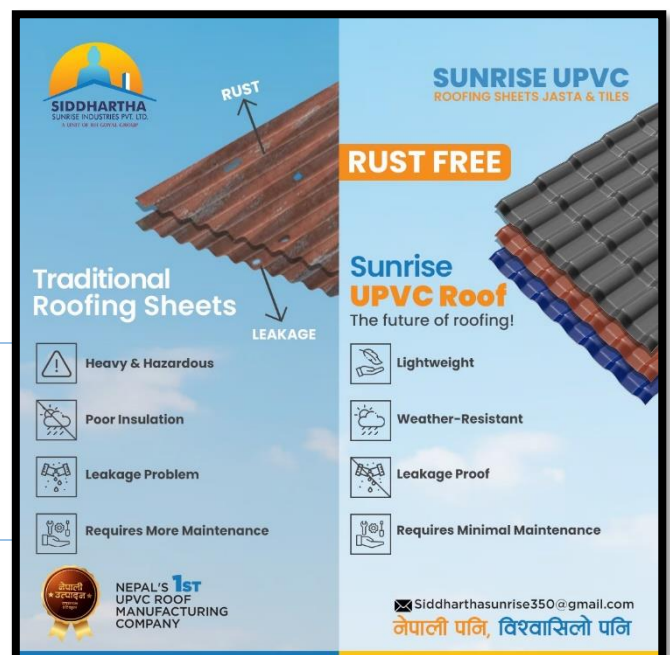
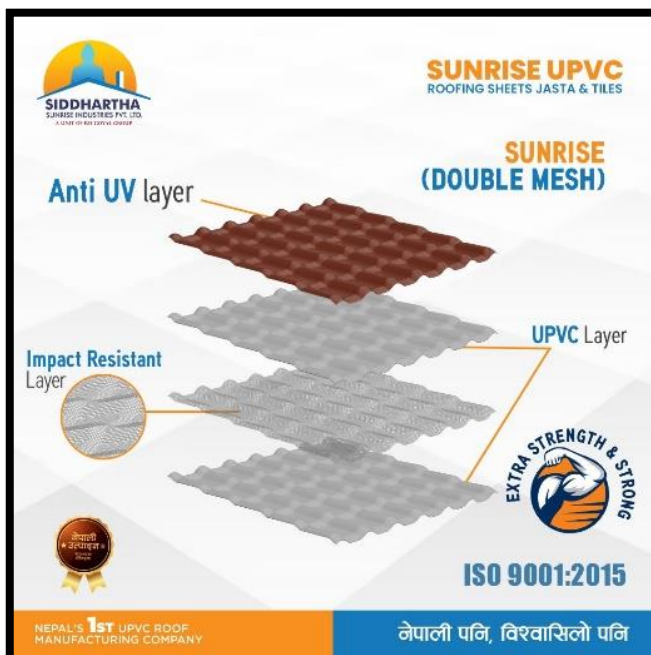
Sunrise Brand 3mm UPVC Roofing Sheet with Double Glass Fiber Mesh Reinforced & ASA Colour Coating have major advantages over the traditional roofing and they include Sound and Heat Insulation properties, Water & Leakage Proof, Anti Corrosion Properties and Fire Retardant. It has been widely used and recommended in modern industries, schools, colleges, party palace, resort, restaurants, railway station, bus station, stadium, greenhouse, airport, residence building, warehouse, petrol pumps and workshops. The normal working temperature of this product is -5^o C to 60^o C. Beyond this working temperature, the properties and the usage of this product will be influenced.

Outstanding Characteristics/ Advantages:



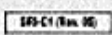
- a) Highly Durable
- b) Heat Insulation
- c) Sound Insulation
- d) Acid-Alkali Resistance (chemical corrosion resistance)
- e) Leakage Proof and wind Resistance
- f) Fire – Retardant
- g) Electric Insulation (Does not conduct electricity)
- h) Protection from UV radiation
- i) Environment friendly
- j) Light Weight (5.5Kg – 6Kg per Mt. Sq.)
- k) Non – Carcinogenic
- l) High impact Resistance (Because of Glass Fiber Mesh Reinforced)
- m) Rain Water Harvesting

Technical Data:

Product Brand	: SUNRISE BRAND UPVC ROOFING SHEET
Product Name	: 3mm UPVC Roofing Sheet with Double Glass Fiber Mesh Reinforced.
Product Type	: Un-Plasticized Poly-vinyl Chloride
Product Profile	: Tile / Corrugated Profile
Product Colour	: Top Colour – Terracotta, Blue, Dark Grey, Off White, Green : Bottom Colour - White
Thickness	: 3mm
Weight	: 5.5Kg - 6Kg per sq. meter
Tensile Strength	: 32 Mpa (For 3mm UPVC with Double Glass Fiber Mesh Reinforced)
Load Carrying	: 600mm – 210kg / 800mm – 140kg / 1000mm – 70kg
Slop	: 20 to 25 Degree
Length	: 12.2 ft., 14.4 ft., 16.6 ft., 18.8 ft. [Size can be Customized as per demand]
Width	: 41 Inch
Coverage	: Single Overlapping – 38 Inch : Double Overlapping – 32 Inch
Fasten clip/ Screw	: 4 to 5 sets of clip and screw per sq. meter.
Purlins	: Square Pipe is suggested



Test Report:

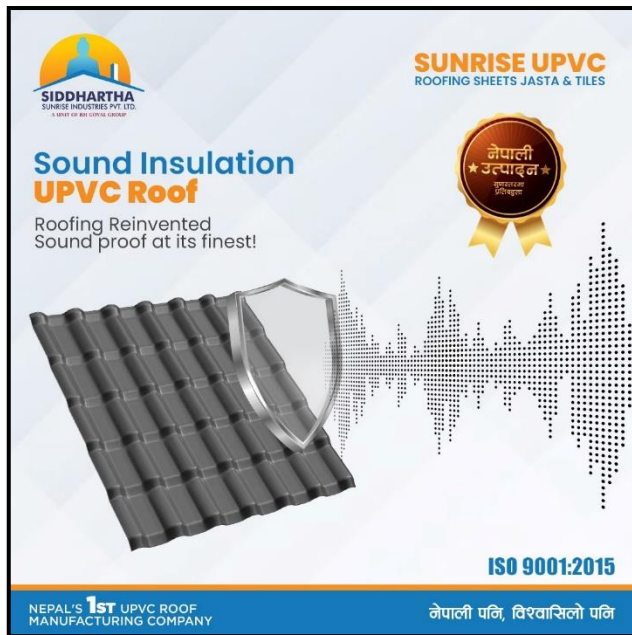
 SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH (A unit of Shriram Scientific and Industrial Research Foundation) 19, University Road, Delhi – 110007 (India) An ISO - 9001, 14001 & 45001 Certified Institute				Website : www.shriraminstitute.org E-mail id : customercare@shriraminstitute.org qad@shriraminstitute.org	
TEST REPORT				NO : C1/0000331150	
Issued To : Client Code : (KATH01S4725) SIDDHARTHA SUNRISE INDUSTRIES PVT LTD TEKU KATHIMANDU NEPAL-44600			Date : 15-07-2023 Job No : 2307-1-141-484 Booking No : RG2324/1/2736 Booking Date : 06-07-2023 Customer Ref No. : - Customer Ref Dt. : 05-07-2023		
2307-1-141-484					
ONE SAMPLE [QUANTITY : 2 PCS (1 FT. X 1 FT) APPROX] DESCRIBED AS SUNRISE UPVC 4 LAYER CORRUGATED SHEET 3MM, WAS RECEIVED. "THE SAMPLING WAS NOT CARRIED OUT BY SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH. THE SAMPLE PARTICULARS PROVIDED IN THE TEST CERTIFICATE ARE BASED ON DECLARATION BY THE CUSTOMER."					
S.NO	Test	Result	Protocol adopted		
1	Tensile Strength at Yield, MPa	34	ASTM D 638-14		
2	Hardness Rockwell (R scale)	68	ASTM D 785-15		
3	Density, g/cc	1.78	ASTM D 792-20		
4	Heat Deflection Temperature, °C	81	ASTM D 648-18		
DOR: 06.07.2023					
DOS: 06.07.2023					
DOC: 15.07.2023		End of report.			
 AUTHORISED SIGNATORY EMPLOYEE CODE: (4159)					
CC : EMAIL: prayas@pdmsourcings.com GC-01(Rev-05)					
1/1					
Note: The results relate only to the items tested / calibrated above. Scanned copies/photocopies or any other copies should be authenticated by reference to the original report.					
		Phone : 91-11-27000100, 27667267, 27667860		Fax : 91-11-27667207	
See overleaf for terms & conditions					

Comparison Chart with other roofing materials:

	Metal Roofing	Asbestos Roofing	Ceramic Tile Roofing	Sunrise 3mm UPVC Roofing with Double Glass Fiber Mesh Reinforce and Colour Coating
Stability in corrosive environment	Not Stable in corrosive environment	Not stable in corrosive environment	Highly stable in corrosive environment	Highly stable in corrosive environment
Flexural Strength	15MPa	16MPa	10MPa	55-65 MPa
Combustibility	Not Combustible	Not combustible, but has micro explosions while burning	Not combustible	Not combustible
Thermal Conductivity	15 W/m. °C	0.46 W/m. °C	0.27 W/m. °C	0.104 W/m. °C
Weight of 100m² (Kg)	420 Kg	1340 Kg	5500 Kg	550 – 600 Kg
Sound Insulation	Does not provide absorption of the rain, hail, street noise	Provides insignificant absorption of the rain, hail, street noise	Provides significant absorption of the rain, hail, street noise	Provides insignificant absorption of the rain and hail noise
Eco – Friendliness	Environment Friendly	Contains carcinogenic asbestos	Environment Friendly	Environment Friendly
Acid – Alkaline	Not Stable in corrosive environment	Not stable in corrosive environment	Highly stable in corrosive environment	Highly stable in corrosive environment
Electricity Conductor	Highly electricity conduction	Highly electricity conduction	Highly electricity conduction	Highly Electricity Conductor resistance

Advantages of UPVC Roof Sheets:

Major advantages of Siddhartha Sunrise UPVC Roofing are as follows:



1 - Durable Sheet

UPVC roofing sheets are resistant to extreme weather. They endure strong wind speed.

UPVC sheets can endure extreme temperature of -5°C to 60°C . Thus ensuring high durability, which will save cost in future.

2 - Heat insulation

UPVC roofing sheets have heat-insulating materials which are designed to provide insulation and climate control in buildings. The top most layer (ASA Coating) has low thermal conductivity, which helps in reducing heat absorption thus keeping the interior cool and this further helps in less energy consumption, creating a comfortable living or working environment.

3 - Sound Insulation

UPVC Roofing sheet are considerably thicker than traditional roofing sheets this helps in it having good sound insulation when exposed to external noises such as rain storm and strong winds.

4 - Fire Retardant

UPVC Roofing sheets have refractory material and the fire rating meets international CB 8624-2012 B1 Level.

5 - Anti corrosion

UPVC roofing sheets can resist corrosion of acid, alkali, salt and other chemical substances for a long time. And the phenomena of rusting will not appear under various adverse urban environmental conditions like acid rain etc. Due to this reason, it is highly sought after in chemical factory, poultry farms and steel industries.

6 - Low-maintenance

Busy homeowners always love to choose the most low-maintenance roofing and cladding materials. Our High quality UPVC roofs are almost maintenance-free, if installed correctly. They do not require the usual repairs as other roof tiles do.

7 – Good Load Resistance

In low temperature climate if the roof is under perennial snow, UPVC roofing sheet will not be damage or torn. UPVC roofing sheets will not deform and fall under the purling distance of 800mm.



The advertisement features a central image of five overlapping UPVC roofing sheets in red, grey, blue, white, and green, arranged diagonally against a light blue sky background. In the top left corner is the Siddhartha Sunrise Industries Pvt. Ltd. logo. In the top right corner, it says 'NEPAL'S 1ST UPVC ROOF MANUFACTURING COMPANY'. Below the logo on the left, the text reads 'SUNRISE UPVC ROOFING SHEETS' and 'Unleash Your Creativity with our Multicolor Roofing Sheets'. At the bottom left, it mentions 'ISO 9001:2015' and 'नेपाली पनि, विश्वासिलो पनि'. At the bottom right, there is a gold award seal with Nepali text and the company name 'SUNRISE UPVC ROOFING SHEETS JASTA & TILES'.

UPVC roofing sheets specification

According to the application of your structures – i.e. industrial shed, house roof, ... and location of your building, we will provide you with the best types of UPVC tiles and right roof thickness.

- We make UPVC sheets with various thicknesses. From 2.5 mm – 3 mm with customized lengths and colors.
- Length of UPVC roofing sheet can be made up to 18' 8".
- Glass fiber reinforced product with better strength.

3 types of roofing sheets UPVC:

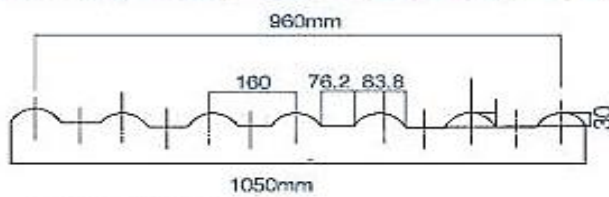
- 3mm Double Glass Fiber Mesh Reinforced (Sunrise UPVC)
- 2.8mm Single Glass Fiber Mesh Reinforced (Sunshine UPVC)
- 2.5mm Single Glass Fiber Mesh Reinforced (Sunroof UPVC)

Our UPVC sheets can be used for wall cladding, too.

Product Range



Tile Profile



Jasta Profile



RIDGE COVER **(TOP, PLAIN & DOME)**



TOP RIDGE COVER



PLAIN RIDGE COVER



DOME RIDGE COVER



Y-RIDGE COVER

END RIDGE COVER



FIXER CLIP/SCREW



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Prestigious Projects



Gautam Buddha International Airport, Bhairahawa



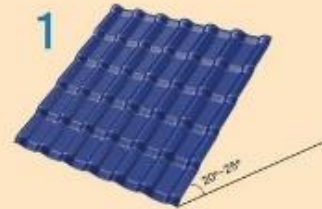
Butwal Bus Park, Butwal

Installation Procedure

INSTALLATION PROCEDURE

For installation of UPVC roofing, basically we need to know some of the technical requirements. Slope, purlin distance & number of clip screws.

1. Slope of truss has to be 20- 25 degrees
2. Purlin distance has to be 600 - 800 mm
3. Number of clip screw has to be 4-5pcs. in every sq. Mtr.



Please feel free to Contact us at:

Siddhartha Sunrise Industries Pvt. Ltd.

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Contact No. - +977- 9702037003

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