



**DURATUF**  
DEFINITIVE ROOFING

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[www.npmpd.com](http://www.npmpd.com)

UPVC Sheets



# Introduction

The DURATUF is a roofing sheet and is a new age building material. DURATUF has a unique patented profile, which is the result of our advanced equipment and technology. It is more cost effective than most other building materials. Further :

- It has high level of sound insulation.
- It is more durable and has better heat insulation than ordinary roofing.
- It is acid-proof, alkali-proof & erosion proof.
- It is tougher than traditional roofing.
- It is light-weight, making it very easy to handle.
- It is easy to install.



Heat insulation



Sound insulation



Corrosion resistance



Strength



Eco-friendly



Flame resistance



Mixing



Extruding



Forming/ shaping



Finishing

## Production Process



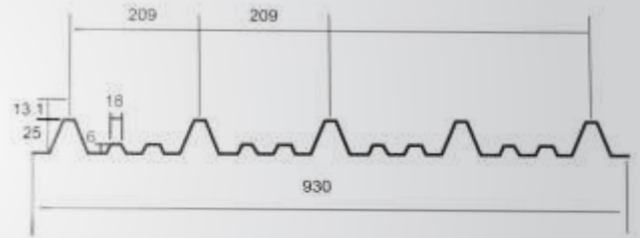
PVC(added modifying agent)



Ultra-violet radiation Absorption Agent, Shield Effect Agent, oxidation Resistance Agent, Modifying Agent, Foaming Agent, pigment.



## Dimension of the DURATUF Profile:



Material		Galvanised Iron	Asbestos	PVC Plastic	Fibreglass	<b>DURATUF™</b>
Heat Insulation Contrast	Heat Transmission	Thickness 0.35mm	Thickness 1.5mm	Thickness 2.0mm	Thickness 2.0mm	Thickness 2.0-3.0mm
	Insulation Coefficient	About 85%	About 70%	About 67%	About 52%	About 45%
		34W(m-k)	2.33W(m-k)	2.03W(m-k)	1.92W(m-k)	1.08W(m-k)
Resistance to impact		High resistance to impact	High resistance to impact, brittle	Mid resistance to impact, flexible	Low resistance to impact, fragile	High resistance to impact, flexible
Corrosion resistance		No	No	Yes	Yes	Yes
Heat resistance		Expands in heat shrinks in cold	Prone to cracking in extreme conditions	Good resistance	Poor resistance	Excellent resistance
Sound-insulation		Not sound-proof	Some sound insulation	Good sound insulation	Some sound insulation	Excellent sound insulation
Climate resistance		Easily affected by climate	Easily affected by climate	Some effect by climate	Some effect by climate	Excellent climate resistance
Environment protection		In accordance with usage standard	Proven Health hazard	In accordance with usage standard	Can cause skin irritation	In accordance with usage standard , environmentally
Width and Connection		Width:940mm Connection:85mm		Width:1130mm Connection:150mm		Width:930mm Connection:75mm
Efficiency		91%	80%	87%	82%	94%

More durable,  
Better heat  
insulation

Acid-proof,  
alkali-proof,  
erosion-proof

Energy saving

Environmentally  
friendly, Can  
be recycled

## Frequently Asked Questions

Q What is its effective coverage of the DURATUF?

A 94%. But it depends on the length, the longer the sheet, the higher percentage of its effective coverage

Q What is the temperature range of the DURATUF?

A The lowest temperature is -30...C and the highest temperature is 75.1...C.

Q Will DURATUF triple-layer UPVC roofing fade?

A It is a scientific fact that all colored materials will slightly alter when exposed to UV-light. The color change is influenced by factors such as: color chosen, climate, design of the structure and the environment. Therefore darker colors are inherently prone to more noticeable color change than lighter colors.

## Installation Instructions

- Before installation, please read carefully and follow all these instructions. The roof sheet is ONLY suitable for applications from -30 to 50C.
- The roof truss shall have a load capacity enough to prevent typhoon.
- For ramp roofs, the included angle shall be less than 135 degrees. This product is also suitable to be laid or installed on roofs with cambered surfaces.
- The distance between two supporting steel (or other material) supporting crossbeams of the roof truss shall be less than 700mm.

### NOTE

When the product is used at a low or high temperature, the spacing between two adjacent supporting crossbeams shall be smaller, and less than 600mm recommended.

- The product shall be laid in a single direction, that is, the side with upwards flume of a roof downward and the side with arc bulge of another roof upwards so that the flume of the upper roof and the bulge of the lower one join closely to ensure that there is no leakage occurring and that the patent design for super leak protection in this product functions.
- The lengthways overlapping dimension between two roof sheets shall not be less than 300mm and this shall be at the purlins.
- The roof sheets shall be fixed to the supporting steel crossbeam with 5mm diameter stainless steel self-drilling screws and the pre-drilled holes should be 8mm to allow for contraction and expansion, especially in extreme temperature variation. If galvanised screws are used, the surface of the head of the screw shall be covered with protective coating with the same color as the roof sheet for the purposes of better appearance and protection.
- The roofing sheet shall not overhang greater than 200mm.
- The ridge cap overlap shall not be less than 300mm.

### NOTE

If the roof is used under extreme snowing or icing conditions, avoid excessive or thick snow or ice built up on the roof. Otherwise, the roofing sheets may be damaged or crushed. When installing the roof sheets, the installers shall tread on the roofs at the point supported by the purlin and take safety precautions such as fastening safety belt etc. and shall not tread in mid-span or at the overhanging part.