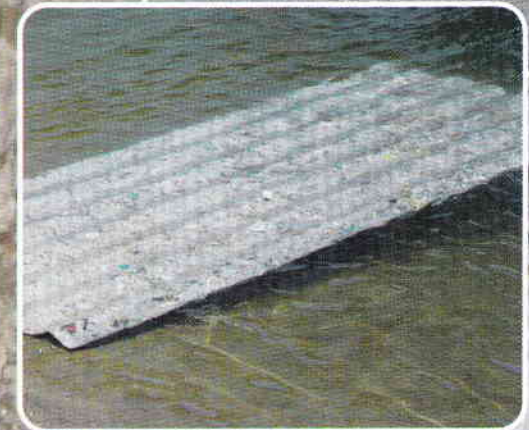


Daman Ganga Tuff Roof

Polyethylene-Aluminium Composite Roofing Sheets



	Length	Width	Area	Wt. (Kg)	Wt/Sq.mtr.
Daman Ganga Tuff Roof	2.25	0.95	2.03	14 +/-10%	5.92
Fibrocement Roofing Sheet	2.50	1.05	2.63	32.00	12.19

DIMENSIONAL DATA

Thickness	4 mm (+/- 0.5 mm)
Overall width	950 mm (+/-10 mm)
Laid Width	900 mm (+/- 5 mm)
Depth of corrugation	45 mm (+/- 3 mm : 5mm)
Side lap (min)	50 mm
End lap (min)	150 mm
Standard Lengths	2250 mm
Purlin spacing for roofing (max)	1000 mm
Runner spacing for side cladding (max)	1000 mm
Maximum free over hang at edges	250 mm
8 Sheets = 3.5 mtrs x 4.40 mtrs.	15.532 sq. mtr.



A Premium Product From :
DAMAN GANGA BOARD MILLS PVT. LTD.

Daman Ganga Tuff Roof, a new advancement in the roofing sheets segment, is one step ahead of the conventional fibrocement and G.I. corrugated sheets. A premium product from the house of Daman Ganga, *Tuff Roof* sheets have very high flexion resistance and zero water absorption properties. Manufactured in a state of the art production unit, *Tuff Roof* sheets offer a host of structural and technical benefits over other similar products.

A composition of polyethylene and aluminium material, *Tuff Roof* sheets have a range of applications, more common being roof tops.

Major advantages of Tuff Roof Sheets

UNBREAKABLE

This unique property of the product gives a longer life to the application. Tests have proved that *Tuff Roof* sheets have passed stringent tests when run over by heavy vehicles.



FIRE RETARDENT

Tuff Roof sheets have been proven to be fire retardent under laboratory tests.



LOW HEAT ABSORPTION PROPERTY

Tuff Roof sheets are best suited for temporary and permanent structures during summer because of its reflective property. Tests have shown that the room is cooler by about 25% compared to the conventional roofing sheets.



ANTI FUNGUS

Being a composition of polyethylene and aluminium, these sheets are totally anti fungus under extreme weather conditions. This property makes it look as good as new and saves costs on painting.

EXCELLENT ILLUMINATION

The semi reflective surface of the sheets makes it more luminous and saves substantially on power bills as fewer lighting fixtures are needed.

CRACK FREE

The expansion and contraction property of steel structures causes cracks in the fibrocement sheets. The *Tuff Roof* sheets because of its high flexion resistance, adjusts to the changes in weather conditions and are therefore crack free.

EASE OF INSTALLATION

The light weight of the sheets make it convenient and easy to handle and install. No need to use hooks and fasteners for certain applications, as nailing makes it easier to serve the purpose.

MANUFACTURED FROM RECYCLED MATERIAL

Tuff Roof sheets are eco friendly as they are made from recycled materials.

BETTER DISPOSABLE VALUE

Composed from recycled plastic (polyethylene) and aluminium foil, the product commands value on disposal, which in conventional sheets is Nil.

GREAT SAVINGS IN STRUCTURAL FABRICATION COSTS

Due to the lightness of the product and zero water absorption property, the product proves to be economical in the long run as investment in structural fabrication gets reduced by almost 50%.

ZERO WATER ABSORPTION

Conventional fibrocement sheets absorb water during monsoon and the weight increases by almost 30%, where as Daman Ganga *Tuff Roof* sheets maintain the same weight.



TECHNICAL PROPERTIES

	Fibrocement Roofing Sheets	Daman Ganga Tuff Roof Sheets	
		Minimum	Maximum
Flexion Resistance (N/m)	4 x 10 ⁵	7.63 X 10 ⁶	
Water Absorption (%)	37	6.5	
Surface flame propagation index (1p)	160	138	195
Heat evolution factor (Q)	44.8	38.3	55.9
Flame propagation index (Pc)	3.6	3.5	3.6