CKA Birla Group

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DESIGNED FOR THE PLANET
BUILT TO LAST



birlanu | SUSTAINABLE REINFORCED CEMENT ROOFS

ECO ROOFS

BEST IN CLASS LOAD BEARING STRENGTH | ECO FRIENDLY

BUILT TO LAST | CORROSION RESISTANT

BIRLANU ECO ROOFS

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ECO ROOFS

Designed with eco-friendly hybrid fibres, BirlaNu Eco Roofs offer a sustainable roofing solution that brings together environmental responsibility, high impact strength and lasting durability for hassle-free performance, meeting the requirements of IS 14871:2000.

DURABLE | SUPERIOR THERMAL INSULATION | SOUND INSULATION | BEST IN CLASS IMPACT STRENGTH | NON CORROSIVE | TERMITE RESISTANT | UV PROTECTION | ECO FRIENDLY | BEST IN CLASS LOAD BEARING STRENGTH

APPLICATIONS



INDUSTRIAL



PHARMACEUTICAL



CHEMICAL



WAREHOUSE

TECHNICAL SPECIFICATIONS

PARAMETER	UNIT	TOLERANCE	VALUE
Length of the Sheet	m	(± 10mm)	1.5,1.75,2.0,2.25,2.5,3.0,3.6
Nominal Thickness	mm	(± 10%)	6
Pitch of Corrugation	mm	(+6 ; -2)	146
Depth of Corrugation	mm	(+3 ; -5)	48
Overall Width	mm	(+10 ; -5)	1050
Effective Width	mm	(+10 ; -5)	1010
Weight per Unit Area	kg/RMT		12.3
Load Bearing Capacity/Breaking Load	N/m		> 4000
Fire Propagation BS 476(Part 6):1989			pass
Fire Ignitability BS 476(Part 5):1979			pass
Surface Spread of Flame BS 476(Part 7):1997			pass

CERTIFICATIONS

IS: 14871: 2000

CM/L-9512458825

*BirlaNu Eco Roofs to be installed as per the company installation guidelines/IS 3007 (Part 1):1999

Available colours - **Red, Blue, White, Green, Grey, Ivory**

INSTALLATION SPECIFICATIONS

PARAMETER	UNIT	VALUE
Side Lap	mm	40
End Lap (min) (for lower slope use lap sealants or increase end laps)>18°	mm	150
Purlin Spacing for Roofing (max)	mm	1400
Maximum Rail Spacing for Vertical Cladding	mm	1700
Maximum Over Hang Unsupported	mm	300
Running Meter per Ton (approx.)	m	81
Actual cover of 3 m sheets as laid (allowing for loss by side lap of 40 mm and end lap of 150 mm)	sq.m	2.88
Covering Efficiency allowing end lap and side lap		
3 Metre Long Sheet	%	91
1.5 Metre Long Sheet	%	87
Sheeting required of 100 sq.m as laid	kg	
a) Using 3 metre sheets with side and end lap loss	sq.m	109.37
b) Using 1.5 metre sheets with side and end lap loss	sq.m	115.8

PROJECTS

S. NO.	PROJECT	LOCATION
1	Coromandel International Limited	Khargone
2	Reliance Industries Ltd	Hoshiarpur
3	Andhra Sugars Limited	Tanuku
4	Coromandel Fertilizers	Vijayawada
5	Grasim Industries Limited	Vadodara
6	Sudarshan Chemical Industries Limited	Pune
7	Punjab Chemical Ltd	Chandigarh
8	Trident Ltd	Barnala
9	Khanna Paper Ltd	Amritsar
10	IPL Sugars	Meerut
11	Dhampur Sugar Mills	Dhampur
12	Virchow Group	Hyderabad
13	Meghmani Industries Limited	Ahmedabad
14	Avon Steel Ltd	Ludhiana

THE WORLD OF BIRLANU

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