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HERALDING THE FUTURE OF ROOFING TECHNOLOGY



With over a 20-year legacy of supplying high-quality roofing materials throughout Kerala, Roofmate has become a name associated with strong commitment to product innovation and process improvement.

Our state-of-the-art facility, Christ Industries at Peringandoor in Thrissur, is undoubtedly one of the first in Kerala with a fully-automated, continuous manufacturing line for roofing sheets.

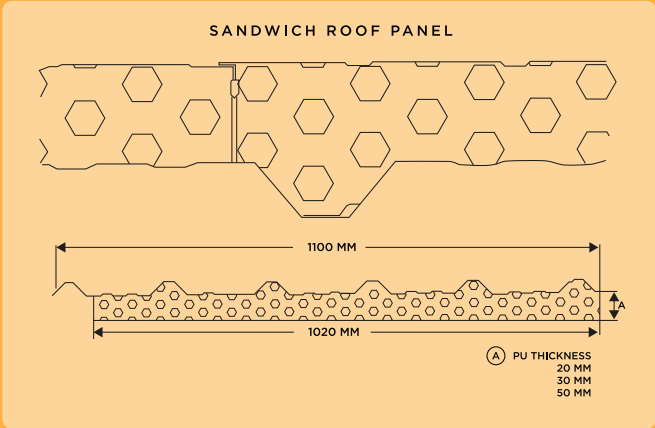
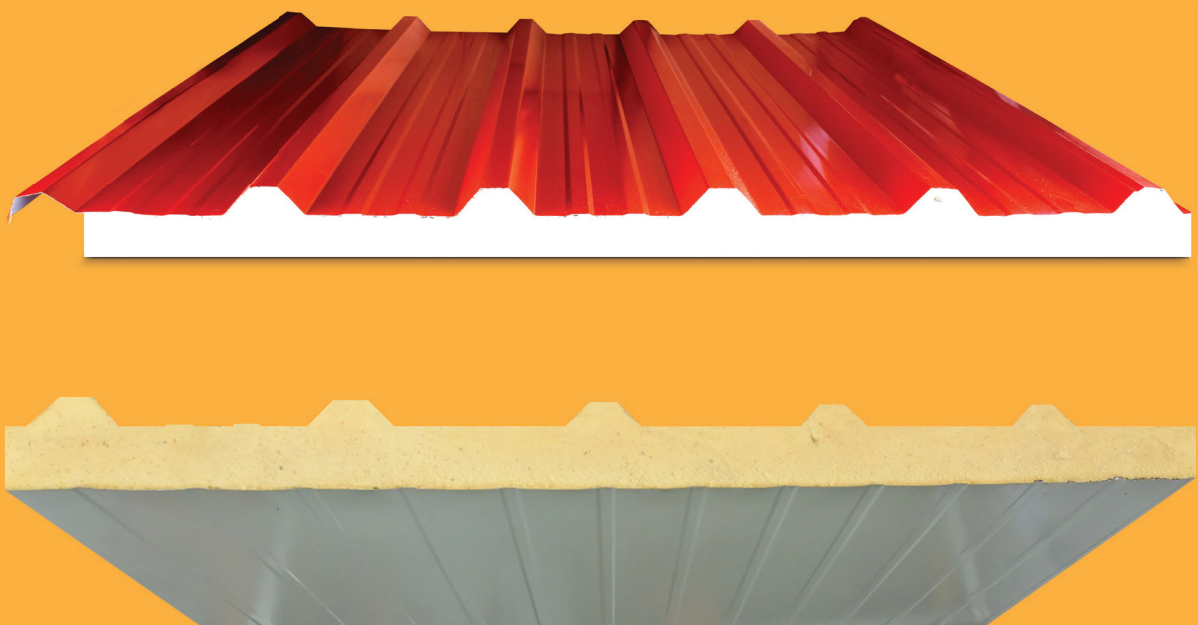
Building long-term relations with our customers has been the focus from day one and we've established a large network of trusted partners over the years, comprising engineers, architects and builders. We look forward to technological advances in this field and assure you that we will continue to be pioneers in the adoption of the same.

An extensive range of products

Delivering superior technical performance, our products seamlessly blend into any environment and offer plenty of choice in terms of shape, appearance and colour. When you're looking for energy-efficient design, low maintenance, re-roofing ease, durability and an overall good return on your investment, be rest assured that we have something suited to your needs. With Roofmate, your building will never go out of style!

TRANQUILLO - Sandwich Roof Panels

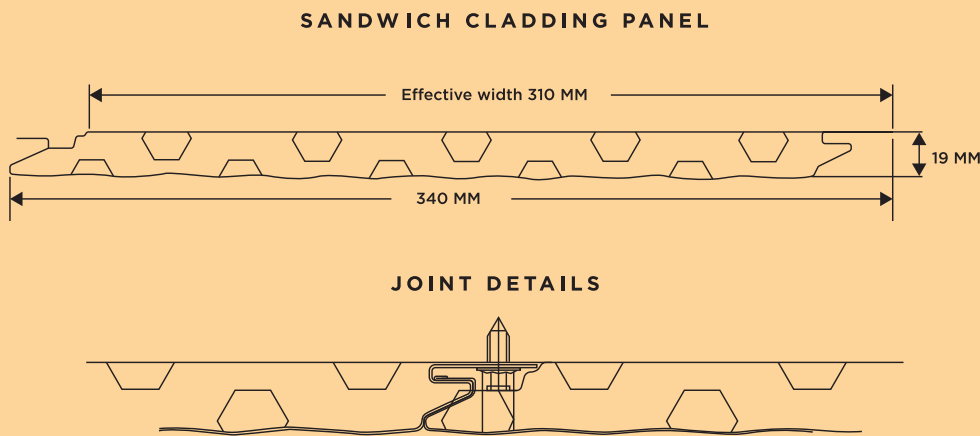
This affordable range of sandwich polyurethane foam (PUF) panels manufactured on our fully-automated continuous line is customised to your specific dimensions, offering perfect fit and stable structures for your roofing needs. They comprise two facings of relatively thick and light material with required stiffness. Sandwich roof panels have a load-bearing capacity several times greater than that of the individual layers. Though lightweight, they can be safely used to cover wide spans of roofing area.



SANDWICH ROOF PANELS	
AVAILABLE METAL THICKNESS (TCT)	TOP: 0.30 MM - 0.60 MM
	BOTTOM: 0.30 MM - 0.35 MM
AVAILABLE COLOURS	ALL COLOURS
AVAILABLE MAXIMUM PANEL LENGTH	12200 MM
STRENGTH	240 MPA - 550 MPA
COATING MASS	AZ 70 - AZ 150

MASSIMO - Sandwich Cladding Panels

These panels come in three layers – inner and outer sheets made of PPGI steel or aluminium and an insulation core of polyurethane foam. The production process transforms both sheets of metal and the foam layer into a composite, shear resistant structural panel. Ensuring thermal and acoustic insulation, these are perfect as external cladding for the walls, partitions and roofs of industrial buildings, workplaces, schools and social spaces. The specially fabricated tongue and groove joints ensure a snug fit and maximum integrity.



SANDWICH CLADDING PANELS	
AVAILABLE METAL THICKNESS	TOP: 0.30 MM - 0.60 MM
	BOTTOM: 0.30 MM
AVAILABLE COLOURS	ALL COLOURS
AVAILABLE MAXIMUM PANEL LENGTH	12200 MM
STRENGTH	240 MPA - 550 MPA
COATING MASS	AZ 70 - AZ 150

SICURO - Cladding Panels

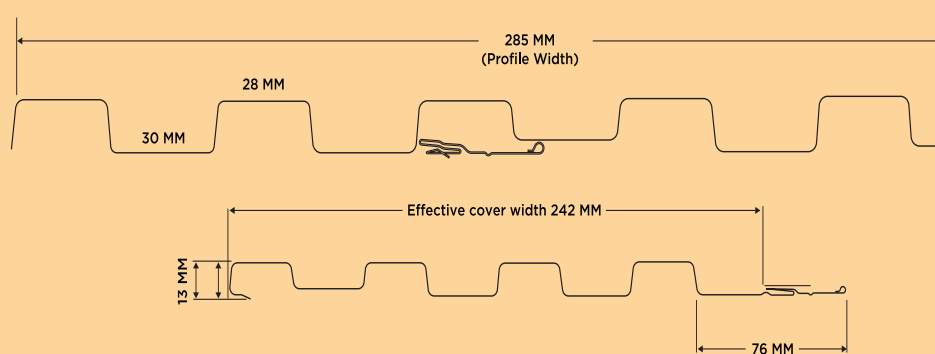
(Design Patent Registration Number: 319695-001 on 16/07/2019)

These highly versatile panels have seen wide adoption across the construction industry nowadays and are preferred for their light weight, durability, cost benefit and easy installation. Made from a variety of materials as per the building design – including steel, stainless steel, galvanised steel, aluminium, zinc alloys or copper, these add a nice flourish while offering good corrosion resistance for exterior use. Metal cladding panels require minimal maintenance and can be easily cleaned to retain the original look and finish.

- Tongue and groove joints for perfect fit
- Hidden screw design for aesthetic appeal



CLADDING PANEL

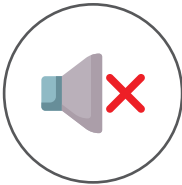


WALL CLADDING PANELS

AVAILABLE METAL THICKNESS (TCT)	0.35 MM - 0.60 MM
AVAILABLE COLOURS	ALL COLOURS
AVAILABLE MAXIMUM PANEL LENGTH	10000 MM
STRENGTH	240 MPA - 550 MPA
COATING MASS	AZ 70 - AZ 150

Advantages of Sandwich Panels

Apart from being flexible in their application, these innovative panels offer a host of benefits as outlined below.



FREEDOM FROM NOISE

Gone are the days when the sound of rain on the roof was an irritant to working in peace. The insulation core ensures unwanted noise from outside is kept away from the interior of the building.



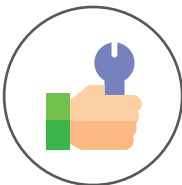
AIR AND WATER-TIGHT

The airtight fit prevents air and water seepage, protecting the interiors from rain and excess humidity. This offers the right protection, bolstering your building's overall durability while improving its energy efficiency.



HEAT RESISTANT

Thermal insulation renders the panels resistant to heat, thereby keeping the interiors relatively cool even during the scorching summer heat.



EASY TO INSTALL

Thanks to continuous line manufacturing, the panels are already in the requisite dimensions and ready to be assembled at the destination. Installation is also easier due to fewer number of joints that are spaced apart.

Niche Industrial Applications

Pharmaceutical, health, and food processing industries are extremely sensitive to environmental contaminants and typically require higher levels of protection. Our prefabricated sandwich panels are ideal for such use, able to withstand regular cleaning with chemical solutions.



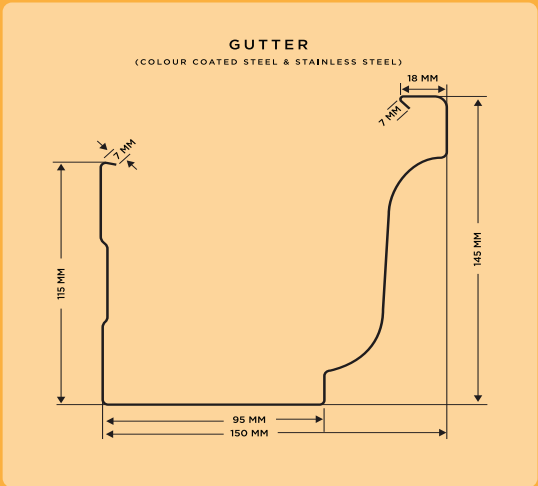
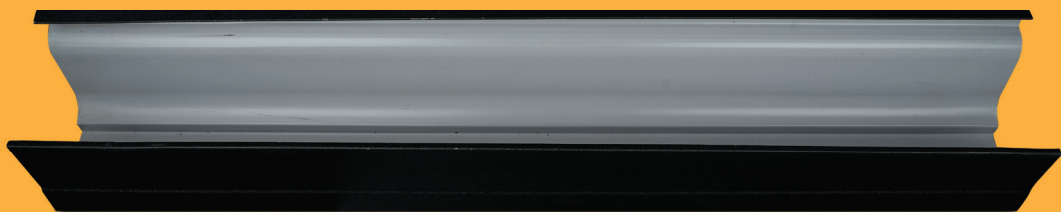
Specifications of Sandwich Panels

Property	Standard	Result	Unit
Thermal Conductivity K Value (10°C)	ASTM C518	0.022	W/m·K
Thermal Resistance R value (10°C) for 20mm		0.93	[m2.k/w]
Thermal Transmittance U value (10°C) for 20mm		1.08	[w/m2.k]
Thermal Resistance R value (10°C) for 30mm		1.4	[m2.k/w]
Thermal Transmittance U value (10°C) for 30mm		0.72	[w/m2.k]
Thermal Resistance R value (10°C) for 50mm		2.33	[m2.k/w]
Thermal Transmittance U value (10°C) for 50mm		0.43	[w/m2.k]
Fire Resistance	DIN 4102-1,1998	B3	
Compressive Strength	DIN ISO 844	160-220	kPa
Overall Density (Average)	DIN ISO 845	42-44	Kg/m3
Core Density (Average)	DIN ISO 845	38-40	Kg/m3
Close Cell Content	DIN ISO 4590	>90	%

Other Roofing Products

SECCO - Metal Gutters (Design Patent Registration Number: 319697-001 on 16/07/2019)

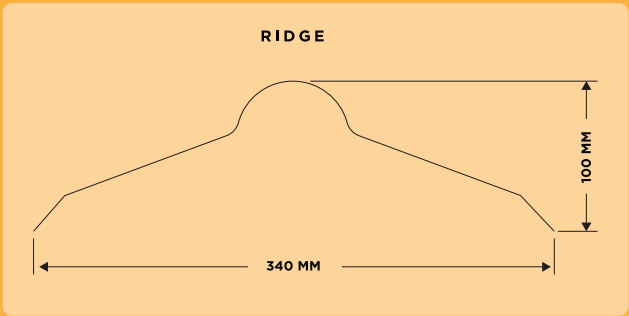
To protect your building structure from natural elements such as rain, this narrow trough or duct collects rainwater and diverts it away from the roof, typically into a drain pipe. Water is drained via this down pipe and nozzle from the gutter. There are multiple colour-coated steel and stainless steel options for this significant roofing accessory.



METAL GUTTERS	
AVAILABLE METAL THICKNESS	0.35 MM - 0.60 MM
AVAILABLE COLOURS	ALL COLOURS
AVAILABLE MAXIMUM PANEL LENGTH	6100 MM
STRENGTH	240 MPA - 550 MPA
COATING MASS	AZ 70 - AZ 150

STRETTO - Tile Ridges

The horizontal top area or uppermost peak where two sloped roof areas meet, ridges cover the gap between two sheets in a roof's ridgeline. Our quality ridges are designed keeping ease of installation in mind, and have been extensively tested for weather and abrasion resistance. They offer a neat finish, accentuating the overall aesthetics of your building.



TILE RIDGES	
AVAILABLE METAL THICKNESS	0.40 MM - 0.60 MM
AVAILABLE COLOURS	ALL COLOURS
AVAILABLE MAXIMUM PANEL LENGTH	2440 MM
STRENGTH	240 MPA - 300 MPA
COATING MASS	AZ 70 - AZ 150



Christ Industries

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