

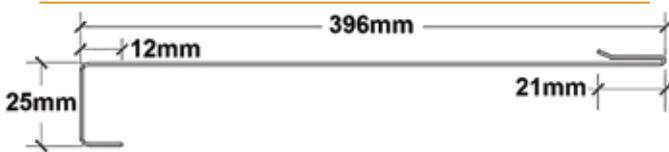


ASTEEL
GROUP

BERMUDA-P



PROFILE DIMENSION



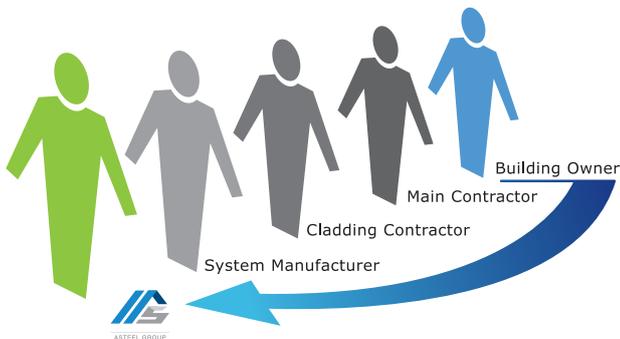
STEEL MATERIAL

envioSERIES pre-finished steel combines outstanding performance with unrivalled reliability and impressive sustainability credentials. The result of sustained evolution and revolutionary coating technology, the best product just got even better.

WARRANTY- Peace Of Mind

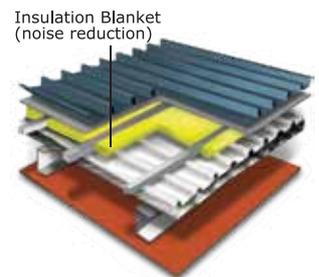
The warranty offered is most comprehensive guaranteed up to 30 years for pre-finished steel products. Dramatic and unrivalled improvements in colour stability and gloss retention are translated into a durable product with greater longevity.

The warranty guarantee is directly with the building owner meaning that in the case of a claim the contact of ASTEEL is direct rather than having to go through the supply chain, saving time, money and unnecessary responsibility avoidance by any parties.



ACOUSTIC ROOF

Composite steel/ polymer sheets forming a sandwich structure offer a compact solution that also provides the roof with sound insulation properties. They reduce the impact noise from rain or hail, ensuring a highest standard of interior comfort.



OUR MATERIAL BRAND



DESIGN
FLEXIBILITY



TERMITE
PROOF



WARRANTY



RECYCLING



IMPROVED
COATING



DURABILITY



ASTEEL GROUP
PRODUCT

DESIGN REQUIREMENT

- Panels for roof slope are recommended at minimum pitch of 15°.
- Minimum of 12mm plywood sheathing is required to provide sufficient holding power for fasteners.
- Above the plywood to lay a layer of felt underlayment.
- Panel length from 10m onward required expansion joint to accommodate thermal movement of the panels.
- Sealant used to be equivalent to terpolymer to accommodate thermal movement of the panels.

Base Metal Thickness, BMT (mm)	Total Coated Thickness, TCT (mm)	Recommended Maximum Allowable Spacing Support				Free Cantilever (mm)
		Roofs		Walls		
		Single Span (mm)	Internal Span (mm)	Single Span (mm)	Internal Span (mm)	
0.42	0.50	508	508	508	508	–
0.48	0.54	508	508	508	508	–
0.54	0.60	508	508	508	508	–

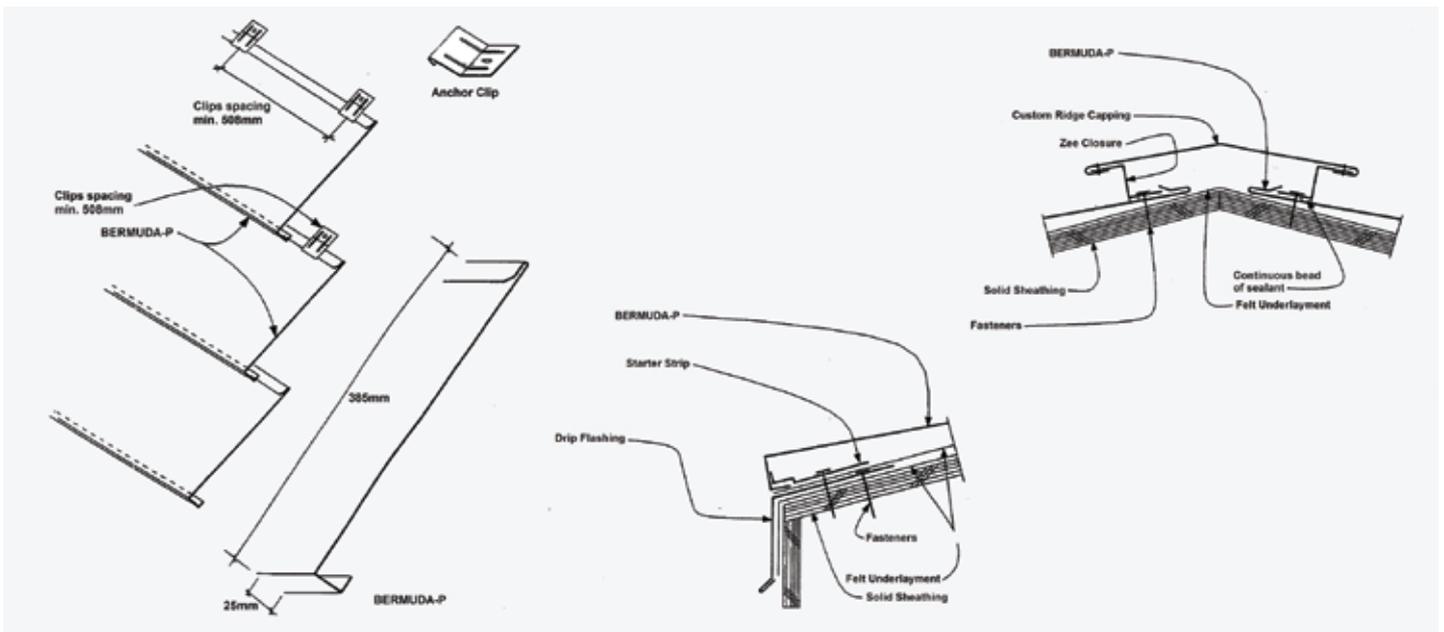
Based on death load 0.1 kN/m², live load 0.25kN/m², wind load 0.75kN/m²

STORAGE

- If nestable profiles become wet while closely stacked, formation of wet storage stain or 'white'rust is inevitable. To minimise the possibility of inadvertent damage:
- Inspect deliveries on arrival. If moisture is present, individual sheets should be dried immediately with a clean rag and then stacked to allow air to circulate and complete the drying process.
 - Well ventilated storage is essential. Always store metal products under cover in clean, well ventilated buildings.
 - Cross stack or fillet sheets where outside storage is unavoidable to make provision for a fall to allow water to run off. Cover the sheets.
- It is the responsibilities of the roofing contractor to avoid damaging the roof sheeting during its installation and fixing. Never drag sheets from pile. Remove by 'turning off' the stack. Lift sheets onto a roof, and do not drag over the eaves or the purlins. Use clean footwear. Remove swarf and other contaminants regularly.

INSTALLATION

1. Safety Precaution. Impose highest safety awareness, protecting all parties from accident. Provide adequate personal protective equipment (PPE), fall arrestment tools and perimeter guardrails. Stricly adhere to all laws and practices that apply to your site.



GENERAL NOTE: Oil Canning

Oil canning is an aesthetic issue, not a structural problem or a defect. It is unrealistic to expect any architectural roof or similar wide-metal element to be totally free of some degree of oil canning. While oil canning cannot be totally eliminated, adherence to industry acceptance and recognized methods of design, metal specification, handling, fabrication, and installation can minimize its occurrence. Carefully attention to the causes of oil canning within all the phases of design and construction is the most effective way to reduce its occurrence.

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