

Stratco900

Stratco900 is a new and modern profile, with a traditionally classic feel.

FORM AND FUNCTION

With impressive strength and a classic feel, Stratco900 easily blends with any building style, thereby showing a versatility that encourages use in all aspects of roofing, walling and fencing. With its exceptionally wide coverage, Stratco900 is an economical choice with superior spanning ability and excellent water carrying capacity.

CUSTOM MADE FOR YOUR PROJECT

Stratco900 sheets longer than 1.2 metres are rolled to the specific length you require, provided the appropriate transport and handling can be arranged. If lengths longer than eight metres are required, consult Stratco for advice on handling and transport.

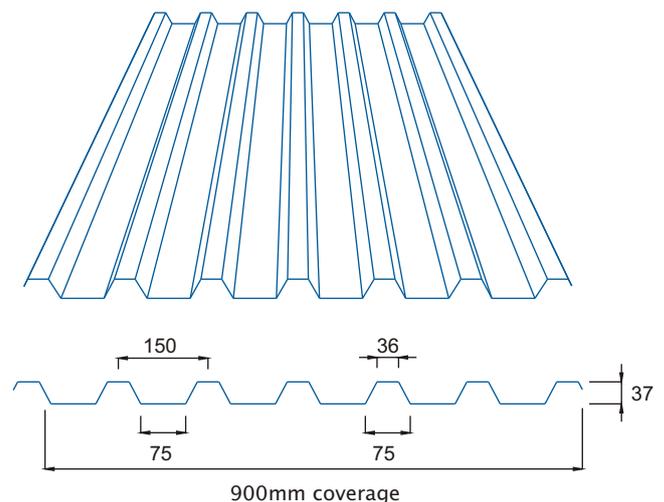
To give your roof, wall or fencing a professional finish, painted self drilling screws are available. Stratco offer a complete range of flashings and accessories for use with Stratco900, and can provide professional advice on specific flashings.

DESIGN CONSIDERATIONS

Stratco900 has a 900mm coverage and the minimum recommended roof pitch is three degrees (1 in 20). Stratco900 is subject to thermal expansion.

Darker colours are affected more than lighter colours. The maximum length before an expansion joint is needed is 24 metres for lighter colours, and 16 metres for darker colours.

Stratco recommend foot traffic is kept to purlins for safety, and to avoid damage to sheeting. Weight should be spread evenly over at least two sheet ribs.



MATERIAL SPECIFICATIONS

Material Properties	ZINC/ALUM		COLOUR	
	0.40mm	0.55mm	0.40mm	0.55mm
Mass - kg/linear metre	4.05	5.49	4.09	5.52
Tensile Strength - MPa	G550	G550	G550	G550
Sheet Tolerances	+10mm -0mm Length ±5mm Width			

MAXIMUM RECOMMENDED SPANS (mm)

Span Type	ROOFING		Span Type	WALLING	
	0.40mm BMT	0.55mm BMT		0.40mm BMT	0.55mm BMT
End Span	1600	2400	End Span	2200	3000
Internal Span	2200	2800	Internal Span	2900	3300
Un-stiffened Overhang	250	350	Un-stiffened Overhang	250	350

The values are for use with steel supports with a minimum thickness of 0.75mm, G550.

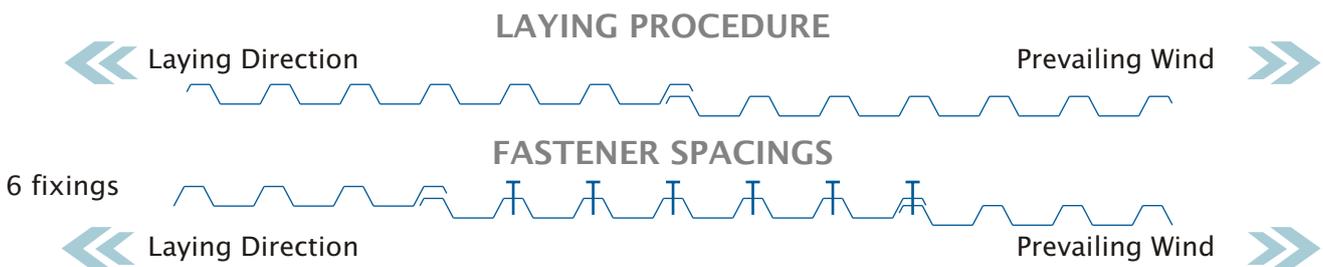
Roofing spans are based on ultimate limit state wind loading up to 3kPa and allow for loads incidental to maintenance. Walling spans are based on ultimate limit state wind loading up to 2.25kPa. Spans shown are suitable for buildings in non-cyclonic conditions. If these conditions do not apply, please seek advice from your nearest Stratco outlet.

FIXING RECOMMENDATIONS

Stratco900 sheets should be laid into the prevailing wind and sit neatly on the preceding roof sheet, as shown in the laying procedure below. Avoid 'stretching' the width of the sheet when installing, as this could allow wind and rain to enter. If spans exceed 1200mm, it is recommended that side lap fasteners are used mid-span. Side lap fixing will help maintain a weather proof seal and will secure the overlap especially when the roof is walked on occasionally. This is best done with either 10 x 16mm self drilling screws or a 3.2mm blind rivet (rivets should be sealed to prevent water penetration). On roofing, at the end of the sheets, the valleys of each pan should be turned up at the roof crest and down into the gutter using a turn up/down tool.

Support Type	STRATCO900 FASTENER SELECTION			
	Screw Fastener			
	Roofing (Crest Fixing)		Walling (Pan Fixing)	
	Min. Screw Length	Designation	Min. Screw Length	Designation
Timber	75mm	14 - 10x75	50mm	TS M6x50
Steel	65mm	14 - 10x65 12 - 14x68	20mm	12 - 14x20

The Stratco900 Fastener Selection chart is based on 6 screws fasteners/sheet/support without the use of load spreading washers. If sarking or insulation is used the length of the screw will need to be increased.



MAINTENANCE REQUIREMENTS

The performance of Stratco900 over time is dependant on the correct application of the product as outlined in this brochure, on correct product selection, and on maintenance suitable for the environment in which the product is to perform. It is important that screws have the same life expectancy as the Stratco900 sheeting. It is recommended that this brochure is read with the "Selection, Use and Maintenance" brochure.