

CORRUGATED/ VICTORIAN (762MM COVER) 10½ PROFILE

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1. GENERAL INFORMATION AND APPLICATIONS:

Corrugated sheeting, a.k.a Victorian profile or S-Rib profile, is a sinusoidal profile sheet, which can be attractively used for both roofing and wall cladding. The corrugated profile is roll formed with an effective cover of 10½ corrugations at 76mm centres and has a rib height of approx. 17.5mm and has been successfully used in depicting the Victorian or Cape vernacular style.



Youngman Roofing is the only company in the Western Cape with facilities to smooth-curve Corrugated sheeting which is used for Victorian style verandas with single and double/ s-curved roof designs; circular farm dams and vaulted roofs etc. Youngman Roofing is also able to mechanically crank the corrugated profile to a radius.

2. SHEET LENGTH AND RECOMMENDED PITCH:

We are able to supply and deliver Corrugated sheets of up to 15 metres in length using our own vehicles.

Delivery of sheets up to 22 metres in length can be arranged by special request at an additional cost.

Corrugated roof sheeting is not recommended for roof pitches less 15 degrees and rather lends itself to steeply pitched roofs (25-45 degrees) and sheet length less than 10 metres long for handling reasons.

We would always recommend a single side-lap (never a double side-lap) and the use of a Butyl/ sealing tape along the sidelap if the pitch is at a minimum.

3. STRUCTURAL GUIDELINES AND CHARACTERISTICS:

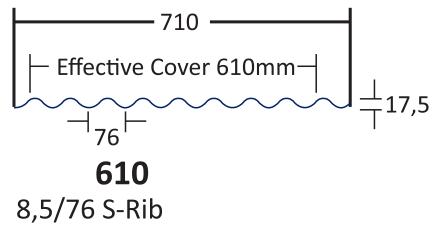
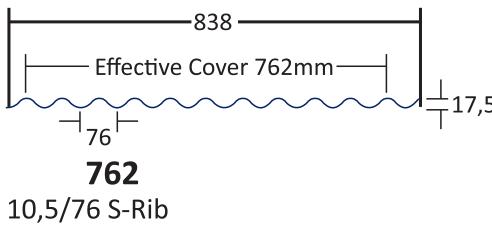
Corrugated roof sheets are available in a range of materials which will display varying structural properties.

The table below should be used as a guideline only as purlin spacing is dependant on numerous factors, i.e. the prevailing wind conditions in the region; the type of structure that is being erected (single storey / multi storey) and the roof pitch; as examples. We therefore recommend an engineer is consulted to determine the purlin spacing for each particular application.

MAXIMUM RECOMMENDED PURLIN SPACING (metres)						
THICKNESS (TCT - Top Coated Thickness)	0.40mm	0.47mm	0.50mm	0.53mm	0.58mm	0.80mm
GRADE (Yield Strength)	ISQ/ G 550	ISQ/ G 550	ISQ 550	G 550	ISQ 230	ISQ 230
ROOF						
Single Span	0,60	0,60	0,60	0,70	0,70	1,10
Internal Span	0,90	1,05	1,10	1,15	1,50	1,70
Cantilever	0,15	0,15	0,15	0,25	0,15	0,25
WALLS/ CLADDING						
Single Span	0,90	0,90	0,90	1,50	1,20	1,30
Internal Span	1,10	1,30	1,30	1,50	1,50	1,80
Cantilever	0,20	0,20	0,20	0,20	0,20	0,25

4. TOLERANCES AND TYPICAL PROFILE:

A length variation of +/- 5.0mm and a width tolerance of +/- 3.0mm is permissible.



5. SPECIFICATION/MATERIAL OPTIONS: (COLORBOND NOW INCLUDING THE MATT FINISH)

MATERIAL TYPE	Thickness in millimetres (mm)							
(Subject to stock & availability)	0.3mm	0.4mm	0.47mm	0.5mm	0.53mm	0.58mm	0.8mm	
Pre-Galvanised	Z100	Z150	Z275	Z275	Z275	Z275	Z275	
Bluescope Zincalume® AZ150			✓		✓			
Bluescope Zincalume® AZ200			✓		✓			
Safal Zincal AZ150			✓		✓			
Safal Zincal AZ200			✓		✓			
Bluescope Clean COLORBOND™ AZ150			✓		✓			
Bluescope Clean COLORBOND™ Ultra AZ200			✓		✓			
Safal Colorplus® AZ150			✓		✓			
Safal Colorplus® Ultima AZ200			✓		✓			
POLYCARBONATE	Thickness in millimetres (mm)							
Available in Clear; White/ Opal; Bronze	0.8mm		1.0mm					
Solar Control & Diffuser	UV1S		UV2S					
SUGGESTED TYPE OF FASTENER								
WALL/CLADDING - BFO								
TIMBER		STEEL		TIMBER		STEEL FULL-THREAD		
Pre-Galvanised	50mm Class II	25mm Class II	75mm Class II	55mm Class II				
Bluescope Zincalume® AZ150	50mm Class III	25mm Class III	75mm Class III	55mm Class III				
Bluescope Zincalume® AZ200	50mm Class IV	25mm Class IV	75mm Class IV	55mm Class IV				
Safal Zincal AZ150	50mm Class III	25mm Class III	75mm Class III	55mm Class III				
Safal Zincal AZ200	50mm Class IV	25mm Class IV	75mm Class IV	55mm Class IV				
Bluescope Clean COLORBOND™ AZ150	50mm Class III	25mm Class III	75mm Class III	55mm Class III				
Bluescope Clean COLORBOND™ Ultra AZ200	50mm Class IV	25mm Class IV	75mm Class IV	55mm Class IV				
Safal Colorplus® AZ150	50mm Class III	25mm Class III	75mm Class III	55mm Class III				
Safal Colorplus® Ultima AZ200	50mm Class IV	25mm Class IV	75mm Class IV	55mm Class IV				
Colour coded caps are available and strongly advised when a Class IV fastener is required								

Further technical information can be obtained from W.C. Youngman S.A. (PTY) Ltd.
Trading as Youngman Roofing and Sheet Metal Works

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