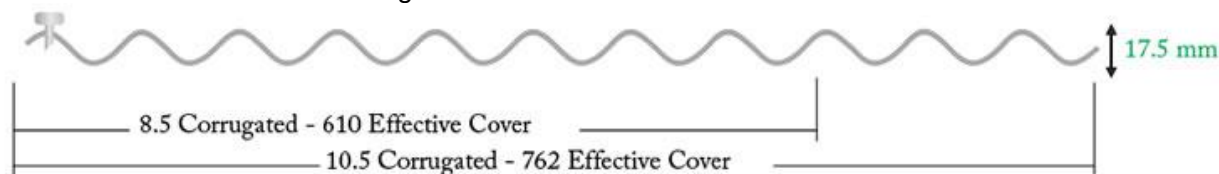


CORRUGATED SHEETING

Corrugated is the traditional and familiar S-Rib profile for roofing and cladding applications. It is the oldest and most commonly used roofing profile because of its easy handling and fixing properties and related strength. The S-rib is derived from sinus curve and offers very strong and structural properties. The 8.5/76 stands for 8.5 corrugations over the width of the sheet and 76 refers to the distance in millimetres between two consecutive curves. The Corrugated profile virtually eliminates oil canning and the sheeting can be factory cranked, curved and bullnosed to various radii depending on customers' requirements. The overall width of a 8.5 Corrugated sheet is 700 mm and that of a 10.5 Corrugated sheet is 840 mm.



STRUCTURAL GUIDELINES

Corrugated roof sheets are available in a wide range of materials displaying various structural properties. It should be noted that the load span characteristics are only to be used as a broad guideline, as purlin spacing is also dependant on other factors such as the prevailing winds in a particular area, snow during winter periods, the presence of dust and other particles in industrial areas, the type of structure that is being erected, etc. We therefore recommend that an engineer be consulted to determine the purlin spacing for a specific application.

RECOMMENDED MAXIMUM PURLIN SPACING (METRES) – CORRUGATED

Thickness Steel Grade	0.40 mm ISQ550	0.47 mm G550 ISQ 550	0.50 mm ISQ500 G550	0.55 mm G550	0.58 mm ISQ300
Roof – single span	0.60	0.90	0.90	0.90	0.90
Roof – double span	0.80	1.10	1.10	1.20	1.20
Cantilever – roof	0.15	0.25	0.25	0.30	0.30
Wall – cladding	1.00	1.40	1.40	1.50	1.50
Cantilever – wall	0.25	0.85	0.85	0.85	0.85
Weight per metre	2.897 kg	3.194 kg	3.615 kg	3.833 kg	4.197 kg
Weight per m ²	3.801 kg	4.191 kg	4.744 kg	5.030 kg	5.507 kg

Table indicates standard stock available. [Discuss your individual needs with our sales consultants.](#)

AVAILABLE DIMENSIONS

Corrugated sheeting is available in standard lengths of 1.8 to 14 m although lengths of up to 20 m are available on request. The permissible length tolerance for the standard length range will be -0 +5 mm. Sheets outside these parameters are available on request and might be subject to special pricing arrangements. The maximum height which can be transported is 4.3 m. This factor should be taken into account when bullnoses and curves are designed.



ROOF PITCH

When using Corrugated, the recommended minimum pitch for roof slopes in excess of 15 m is 10.0° and for slopes less than 15 m is 7.5°. When Corrugated roof sheets are end-lapped the roof pitch should be taken into account. The minimum end laps for roofs pitches in excess of 15° is 150 mm and for other roofs a minimum of 250 mm is recommended. End laps for side sheeting should be at least 100 mm. It is recommended that end and side laps on low pitch roofs be sealed to ensure water tightness. ([available in pre-painted color options](#))

INSTALLATION PROCEDURE

THE REQUIRED NUMBER OF CORRUGATED SHEETS CAN BE CALCULATED AS FOLLOWS:

Number of sheets= Length of building + gable end overhangs – 76 mm

0.762 m (Cover width of sheet)

Roof sheets and vertical wall cladding (side cladding) must be laid with one and a half corrugation side lap and must be fixed through the crests of alternate flutes to purlins using 50 mm Top Speed or Tex screws into steel purlins and 65 mm Tex or Top Speed screws in the case of timber supports. All fasteners must incorporate 19 mm dia bonded washers. In order to qualify for a guarantee on Zinalume®, Colorbond®, Colorplus® and ZincAL® sheets the following fasteners supplied by Buildex Industries should be used: Metaltex Climaseal 3 for steel purlins and Timbertex Zacs 4 for timber purlins. The use of these fasteners will dramatically increase the life span of the roof sheeting as corrosion caused by fasteners is avoided. When Corrugated sheeting is double overlapped the covering width for 8.5 Corrugated changes to 535 mm and for 10.5 Corrugated changes to 686 mm.

SPECIFICATION

Specification (*refer to table indicated below)

(*1 **Thickness and material quality**) Clotan Steel 10½ Corrugated (**Chromadek®/Colorbond®/Colorplus®**) steel roof sheeting and accessories fixed to (**timber/steel**) purlins or rails with a (*refer to table) spacing. All sheeting is to be clearly marked on the reverse side at one-metre intervals, indicating thickness, material quality and coating thickness.

(***Thickness and material quality**) Clotan Steel 10½

Corrugated (***zinc coating**) steel roof sheeting and accessories with (**Chromadek®/Colorbond®/Colorplus®**) finish on one side and protective primer coating on the reverse side fixed to (timber/steel) purlins or rails with a (*refer to table) spacing. All sheeting is to be clearly marked on the reverse side at one-metre intervals, indicating thickness, material quality, coating thickness and paint system. [View our pre-painted color options.](#)

Thickness & Material Quality	Coating	Available Paint System
0.40 mm – ISQ550	Z150 Galvanised	
0.47 mm - ISQ550	Z150 Galvanised	
0.47 mm - ISQ550	Z275 Galvanised	
0.50 mm - ISQ550	Z275 Galvanised	
0.58 mm - ISQ300	Z275 Galvanised	
0.80 mm - ISQ230	Z275 Galvanised	
0.50 mm - ISQ550	Z200 Galvanised	Chromadek®
0.58 mm - ISQ300	Z200 Galvanised	Chromadek®
0.80 mm - ISQ230	Z200 Galvanised	Chromadek®
0.47 mm - G550	AZ150 Zinalume	
0.55 mm - G550	AZ150 Zinalume	Colorbond®
0.50 mm - G550	AZ150 ZincAL®	
0.55 mm - G550	AZ150 ZincAL®	Colorplus®