

# Cover 6 Sinusoidal Roof Profile

## Product Data Sheet



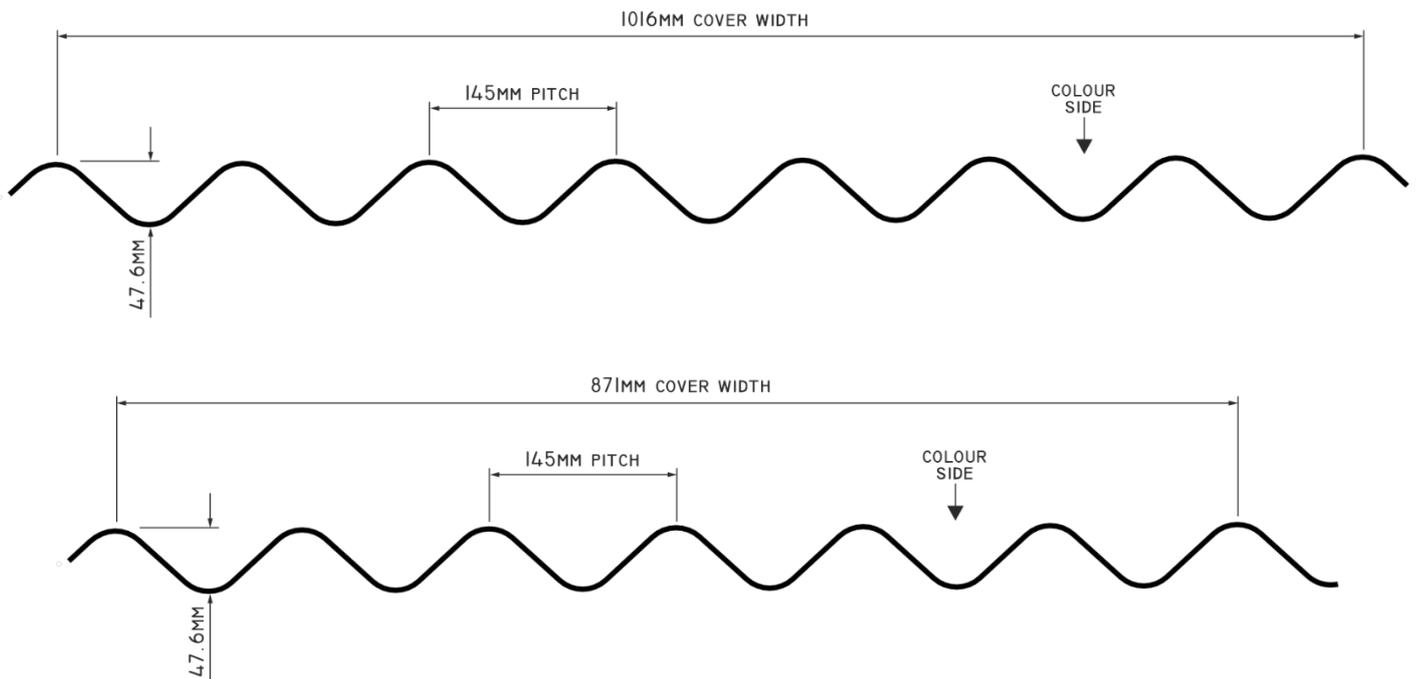
## Applications and Suggested Use

Cover 6 is a unique product to Coverworld and was developed to exactly match the traditional 'Big 6' asbestos profile.

This profile can be installed on to new roofs with suitable steel or timber purlins at a minimum pitch of 4°, after deflection. Additionally, this profile can be utilized on refurbishment projects where the steel sheet can directly overlay an existing Big 6 sheeted roof, after the fixings have been removed.

Available in Goosewing Grey and Anthracite colour 0.7 mm thick plastisol coated steel with the full 1016 mm cover width (see below), however it is possible to manufacture in other colours in the plastisol and Granite HDX coated steel range, but this produces a sheet with reduced cover width of 871 mm (see below). Please enquire with our sales office prior to order placement.

## Profile Dimensions



## Available Sheet Lengths

Sheets are cut to your specified lengths, subject to the following allowable range:

Standard sheet length range	1.0 m to 10.0 m
Minimum sheet length*	0.7 m
Maximum sheet length*	12.0 m**
Maximum unsupported length of sheet	0.3 m

\* Any non-standard sheet lengths may incur additional manufacturing, packaging and handling/delivery charges.

\*\* Sheet lengths up to 14.0 m may be possible, depending on full order details. Please discuss with our sales office prior to order placement.

## Profile Manufacturing Allowable Tolerances

Length (sheets under 3000 mm long):	+10 mm, -5 mm
Length (sheets over 3000 mm long):	+20 mm, -5 mm
Cover width:	+5 mm, -5 mm
Squareness:	<0.5% of cover width

## Material Options

Cover 6 roof profile is available in the following types of materials:

### Plastisol Coated Steel

Coating type:	200 µm (micron) wear resistant multi-layer organic coating on metallic coated steel substrate.
Appearance:	Traditional embossed leather-grain finish.
Colour range:	Available in full range of standard, extended, premium and accent colours.
Reaction to fire:	Classification C-s2,d0 to BS EN 13501-1.
External roof fire performance:	Classification BROOF(t4) to BS EN 13501-5.
Durability:	Good corrosion resistance with a coating guarantee of up to 25 years (must be applied for).
Sheet thickness options:	0.7 mm and 0.9 mm (0.9 mm in Goosewing Grey only).
Profile cover width:	1016 mm for 0.7 mm Goosewing Grey and Anthracite. All other options are 871 mm.
Weight per linear metre:	0.7 mm (1016 mm) = 7.05 kg, 0.7 mm (871 mm) = 6.5 kg, 0.9 mm (871 mm) = 8.7 kg.

### Granite HDX Coated Steel

Coating type:	55 µm (micron) high performance multi-layer organic coating on metallic coated steel substrate.
Appearance:	Satin finish with slight granular effect.
Colour range:	Selected palette of contemporary and modern colours.
Reaction to fire:	Classification A1 to BS EN 13501-1.
External roof fire performance:	Classification BROOF(t4) to BS EN 13501-5.
Durability:	Excellent corrosion resistance with a coating guarantee of up to 40 years (must be applied for).
Sheet thickness options:	0.7 mm only.
Profile cover width:	871 mm.
Weight per linear metre:	6.25 kg.

## Load/Span Tables

**Table 1 Permissible Downward (Gravity) Loads – Working Load (UDL) [kN/m<sup>2</sup>] – Deflection Limit Span/200**

Sheet Thickness	Span Condition	Span (mm)																
		1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600
0.7mm	Single	9.84	8.13	6.83	5.82	5.02	4.37	3.84	3.31	2.79	2.37	2.03	1.76	1.53	1.34	1.18	1.04	0.93
	Double	9.84	8.13	6.83	5.82	5.02	4.37	3.84	3.40	3.04	2.73	2.46	2.23	2.03	1.86	1.71	1.57	1.46
	Multi	12.30	10.16	8.54	7.28	6.27	5.47	4.80	4.26	3.80	3.41	3.07	2.79	2.54	2.23	1.96	1.74	1.54
0.9mm	Single	12.70	10.49	8.82	7.51	6.48	5.64	4.96	4.27	3.60	3.06	2.62	2.27	1.97	1.73	1.52	1.34	1.19
	Double	12.70	10.49	8.82	7.51	6.48	5.64	4.96	4.39	3.92	3.52	3.17	2.88	2.62	2.40	2.20	2.03	1.88
	Multi	15.87	13.12	11.02	9.39	8.10	7.05	6.20	5.49	4.90	4.40	3.97	3.60	3.28	2.88	2.53	2.24	1.99

**Table 2 Permissible Upward (Wind Uplift) Loads – Working Load (UDL) [kN/m<sup>2</sup>] – Deflection Limit Span/150**

Sheet Thickness	Span Condition	Span (mm)																
		1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600
0.7mm	Single	9.84	8.13	6.83	5.82	5.02	4.37	3.84	3.40	3.04	2.73	2.46	2.23	2.03	1.78	1.57	1.39	1.23
	Double	9.84	8.13	6.83	5.82	5.02	4.37	3.84	3.40	3.04	2.73	2.46	2.23	2.03	1.86	1.71	1.57	1.46
	Multi	12.30	10.16	8.54	7.28	6.27	5.47	4.80	4.26	3.80	3.41	3.07	2.79	2.54	2.32	2.14	1.97	1.82
0.9mm	Single	12.70	10.49	8.82	7.51	6.48	5.64	4.96	4.39	3.92	3.52	3.17	2.88	2.62	2.30	2.03	1.79	1.59
	Double	12.70	10.49	8.82	7.51	6.48	5.64	4.96	4.39	3.92	3.52	3.17	2.88	2.62	2.40	2.20	2.03	1.88
	Multi	15.87	13.12	11.02	9.39	8.10	7.05	6.20	5.49	4.90	4.40	3.97	3.60	3.28	3.00	2.76	2.54	2.35

The load span tables shown above were calculated for Eurocode design by SCI, in accordance with the applicable sections of BS EN 1993-1-3.

The maximum allowable span, limited by point load testing to BS EN 14782 Annex B, is 2.2 m for both thicknesses.

## Curving

Cover 6 roof profile can be used to form a fully curved roof or alternatively with curved eaves/ridge.

Curving data as follows:

Minimum crimp curve radius:	0.3 m
Maximum length of crimp curved sheet:	6.0 m*

\* The maximum length of crimp-curved sheets is dependent on the type of curve.

The Cover 6 roof profile will be manufactured with a minimum straight leg of 150 mm at each end of the sheet. Please contact our sales office to discuss all curved sheet properties prior to order placement.

## Delivery

Our packs of sheets are supplied banded/protected and delivered to site using our own fleet of modern GPS satellite tracked vehicles. Self off-load facility may be an option, depending on order criteria.

## Quality and Environmental

All of our products are manufactured using state of the art production facilities to rigorous quality control standards that comply with BS EN ISO 9001, together with an efficient environmental management system that complies with BS EN ISO 14001.



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