

# CL32 Liner Profile

## Product Data Sheet



## Applications and Suggested Use

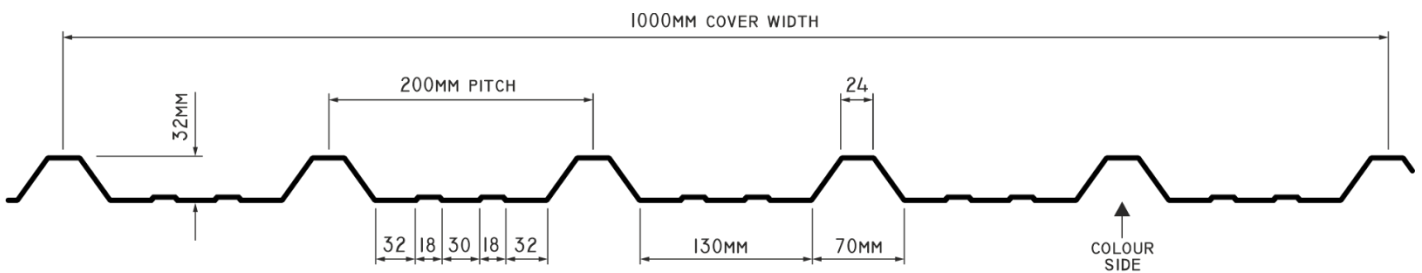
CL32 liner profile is intended to be used as the internal skin of a built-up insulated roof or wall system for industrial and commercial projects. The 0.7mm thick option has been tested for non-fragility in accordance with ACR(M)001:2019 Test for Non-Fragility of Large Element Roofing Assemblies (Sixth Edition) and achieved a Class B rating.

Typically supplied in white to provide an attractive internal surface to the building and ensuring a high level of light reflectivity.

CL32 liner profile can be supplied as a 'no-swage' option, which comes without the mini-ribs in the trough of the sheet.

For projects that may require an element of sound absorption, we can offer a 'pan-perforated' option which has perforations to the wide trough of the sheet.

## Profile Dimensions



## Available Sheet Lengths

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

|                             | 0.5 mm thick    | 0.7 mm thick    |
|-----------------------------|-----------------|-----------------|
| Standard sheet length range | 1.0 m to 10.0 m | 1.0 m to 10.0 m |
| Minimum sheet length*       | 0.7 m           | 0.7 m           |
| Maximum sheet length*       | 10.0 m          | 12.0 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 |

The above tolerances are in accordance with BS EN 508-1.

## Material Options

CL32 liner profile is available in the following material:

### Polyester Coated Steel

|                                    |  |
|------------------------------------|--|
| Coating type:                      | 15 µm (micron) multi-layer organic coating on metallic coated steel substrate.   |
| Appearance:                        | Smooth white paint finish with high level of light reflectivity.                 |
| Reaction to fire:                  | Classification A1 to BS EN 13501-1.  |
| Internal corrosion classification: | CP12   |
| Durability:                        | Expected to last the life of the building in normal and unpolluted environments. |
| Sheet thickness options:           | 0.5 mm and 0.7 mm.   |
| Mass per m <sup>2</sup> :          | 0.5 mm = 4.69 kg, 0.7 mm = 6.38 kg.  |

In addition to the standard white finished product shown above, we may be able to supply CL32 liner profile in other finishes if required, for bespoke or individual projects subject to enquiry. Please speak to our sales department for details

## Curving

CL32 liner profile can be used to form a fully curved roof or alternatively with curved eaves/ridge.

Curving data as follows:

|                                       |         |
|---------------------------------------|---------|
| Minimum convex self-curve radius:     | 40.0 m* |
| Minimum crimp curve radius:           | 0.3 m   |
| Maximum length of crimp curved sheet: | 6.0 m** |

\* The self-curve radius is meant as a guide only as this figure is dependent on material thickness, sheet length and purlin spacings.

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

The CL32 liner profile will be manufactured with a minimum straight leg of 150 mm at each end of the sheet and without the side lap support leg to create an equal lap (symmetrical) detail. 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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