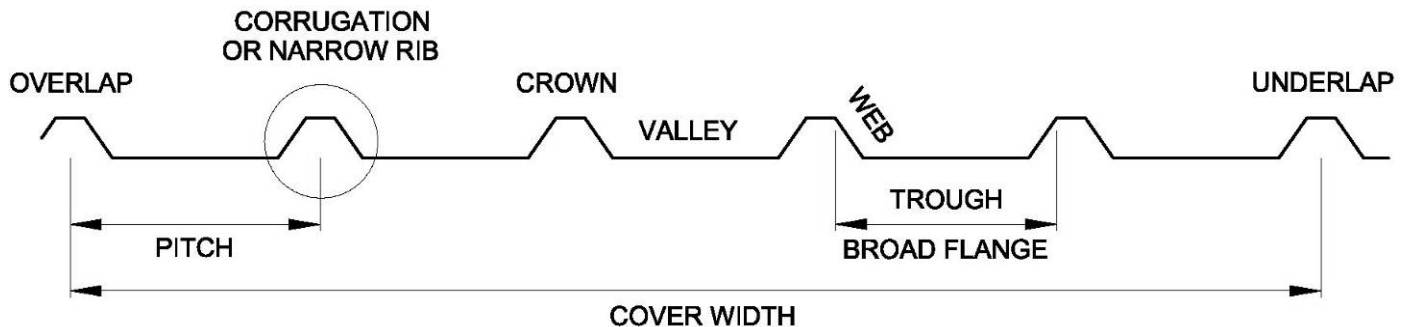


METAL CLADDING DESIGN AND INSTALLATION TECHNICAL GUIDES

GUIDE 003: PROFILE TERMINOLOGY

The profile shown below has been developed for roof cladding. Wall cladding sections tend to be

the reverse of this. When this occurs the 'crown', 'valley' and 'trough' terms change accordingly.



GAUGE

Whilst profiled steel roof sheeting with a thickness of less than 0.70mm may comply with the distributed design loadings, point loadings such as foot traffic become more critical. It is for this reason that 0.70mm steel is the minimum recommended gauge used for external roof sheeting.

Lining panels that have not been designed as structural elements, i.e. they only have to support their own self weight and insulation quilt can be supplied in a minimum gauge of 0.40mm. It must be pointed at that these sections cannot be walked upon. Therefore, if the lining is required as a working platform, design calculation is necessary.

Due to the rigid nature of factory assembled composite panels the gauge of the external skin can be reduced to 0.50mm for roof cladding.

0.50mm steel is the minimum gauge recommended for external wall cladding sheets. However, whilst this may be suitable for the majority of vertically clad projects, it is recommended that the gauge is increased to 0.70mm for horizontal cladding or elevations that start at ground level.

As with roof cladding, a factory assembled composite panel laid vertically or horizontally should be acceptable finished with a 0.50mm steel external skin.

