

ROOF PROFILE

# PRODUCT SELECTION GUIDE

✦ At Steel & Tube we offer a great range of roofing products, so that for any situation you will be sure to find an optimal solution.

Whilst we specialise in the logistics of getting the right product to site anywhere in New Zealand, there may be logistical and cost advantages in selecting products made nearer to your project.

- The *Maximum Roof Spans* table below enables selection of product types based on roof spans for typical Controlled Traffic and Heavy Traffic situations.
- Once the product type has been selected, the *Roof Profile Selection Guide* gives the Steel & Tube roofing profile of each type that is most effectively supplied to each region.
- The *Product Combination Guide* overleaf gives popular selections of roofing, cladding and rainwater systems by region.

Remember that our full range of products is available nationwide. Should you have a particular need or preference for an alternative to those products indicated, we will be happy to fulfill your requirements.

## MAXIMUM ROOF SPANS

Maximum spans are generally governed by point load limits. The following table gives typical maximum spans of generic product types for Controlled Traffic (where access to the roof is restricted to skilled tradespeople and traffic will only take place in the pans), and Heavy Traffic (where more general access is likely, but care will still be taken). Please refer to individual product literature for specific load span data.

CONTROLLED TRAFFIC			
Product Type	Gauge	Continuous	End Span
Corrugate	.40	1200	800
	.55	1600	1200
Low Rib	.40	1600	1300
	.55	2300	1700
Medium Rib (ST900)	.40	2400	1700
	.55	3500	2800
High Rib	.40	2800	1900
	.55	3800	3000
Trough		2100	1700

CONTROLLED TRAFFIC			
Product Type	Gauge	Continuous	End Span
Corrugate	.40	N/A	N/A
	.55	1000	800
Low Rib	.40	900	750
	.55	1800	1400
Medium Rib (ST900)	.40	1000	1000
	.55	2300	1700
High Rib	.40	2100	1800
	.55	2800	2200
Trough		2100	1600

## ROOF PROFILE SELECTION GUIDE

REGION	Northland	Auckland	Waikato Taupo King Country	Bay of Plenty Coromandel	Wellington Wairarapa Manawatu Taranaki Hawkes Bay	South Island
Corrugate	Custom Orb	Custom Orb	Custom Orb	Custom Orb	Custom Orb	Custom Orb
Low Rib	Trimline	Trimline/ Paneldek	Trimform	Plumbdek	Trimline	Plumbdek
Medium Rib	ST963/ST900	ST963/ST900	ST963/ST900	ST963/ST900	ST7*	ST7*
High Rib	Multispan	Multispan	Multispan	Multispan	Multispan	Multispan
Trough	Hi Rib	Hi Rib	Hi Rib	Hi Rib	Kliplok	Paneldek

\* ST7 does not comply with the Medium Rib Span limits shown above.



## PRODUCT COMBINATION GUIDE

After spans have been determined, the next question regarding profile choice revolves around aesthetics. The following chart gives popular combinations of roof/walling/rainwater goods for generic building types by region.

REGION	Northland	Auckland	Waikato Taupo King Country	Bay of Plenty Coromandel	Wellington Wairarapa Manawatu Taranaki Hawkes Bay	South Island
<b>RESIDENTIAL APPLICATIONS</b>						
<b>Traditional Styles</b>						
<b>Roofing (Over 8° Pitch)</b>	Custom Orb	Custom Orb	Custom Orb	Custom Orb	Custom Orb	Custom Orb
<b>Spouting</b>	Customline Multiline Quad	Customline Multiline Quad	Customline Multiline Quad	Customline Multiline Quad	Customline Multiline Quad	Multiline Quad
<b>Contemporary</b>						
<b>Roofing</b>	Trimline	Trimline	Trimform	Plumbdek Six Rib	Trimline	Plumbdek
<b>Spouting</b>	Highline Plumbline	Highline Plumbline	Highline Plumbline	Highline Plumbline	Highline Plumbline	Multiline Square Plumbline
<b>Low Pitch Applications</b>						
<b>Roofing</b>	Hi Rib	Hi Rib	Hi Rib	Hi Rib	Kliplok	Paneldek
<b>RURAL APPLICATIONS</b>						
<b>Small-Medium Purlin Spacings &lt;1.600 Controlled Traffic</b>						
<b>Roofing</b>	Custom Orb Trimline	Custom Orb Plumbdek	Custom Orb Trimline	Custom Orb Plumbdek	Custom Orb Trimline	Custom Orb Plumbdek
<b>Wall Cladding</b>	Trimklad Versaclad	Trimklad Versaclad	Trimklad Versaclad	Trimklad Versaclad	Trimklad Versaclad	Trimklad Versaclad
<b>Medium Purlin Spacings 1.600 – 2.300 Controlled Traffic</b>						
<b>Roofing</b>	ST963	ST963	ST963	ST963	ST7	Multispan
<b>Wall Cladding</b>	Trimline	Plumbdek	Trimform	Plumbdek	Trimline	Plumbdek
<b>Large Purlin Spacings &gt;2.300 Controlled Traffic</b>						
<b>Roofing</b>	Multispan	Multispan	Multispan	Multispan	Multispan	Multispan
<b>Wall Cladding</b>	STC963	STC963	STC963	STC963	ST7	Multispan
<b>COMMERCIAL APPLICATIONS</b>						
<b>Small – Medium Purlin Spacings &lt;1.600 Controlled Traffic</b>						
<b>Roofing</b>	Trimline	Trimline	Trimform	Plumbdek	Trimline	Plumbdek
<b>Wall Cladding</b>	Trimklad Trimline	Trimklad Plumbdek	Trimklad Trimform	Trimklad Six Rib	Trimklad Trimline	Plumbdek
<b>Medium Purlin Spacings 1.600 – 2.300 Controlled Traffic</b>						
<b>Roofing</b>	ST963	ST963	ST963	ST963	ST7	Multispan
<b>Wall Cladding</b>	Trimline STC963	Plumbdek STC963	Trimform STC963	Plumbdek STC963	Trimline ST7	Plumbdek Multispan
<b>Large Purlin Spacings &gt;2.300 Controlled Traffic</b>						
<b>Roofing</b>	Multispan	Multispan	Multispan	Multispan	Multispan	Multispan
<b>Wall Cladding</b>	STC900 Multiklad	STC900 Multiklad	STC900 Multiklad	STC900 Multiklad	ST7 Multiklad	Multispan Multiklad