

## 2.18 Neo-Roman

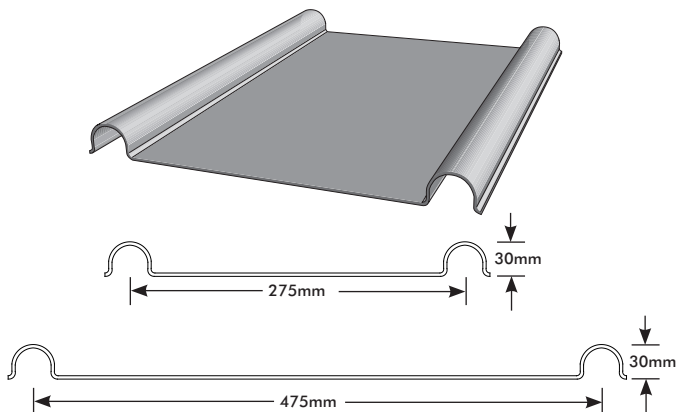


Figure 2.18.A Neo-Roman Tile

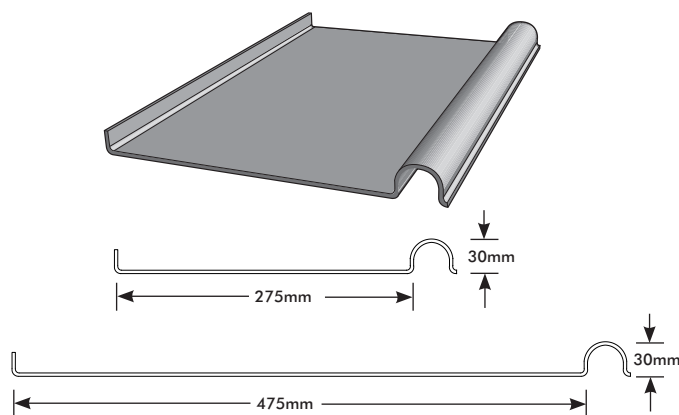


Figure 2.18.B Neo-Roman All-in-one

### Neo-Roman Material Specifications

Property	275 Pan Width 0.55 BMT	475 Pan Width 0.55 BMT	Notes
Total Coated Thickness	0.60	0.60	TCT
Mass / Unit Length (kg/m)	ZINCALUME®	1.83	1000 / (m/Tonne)
	COLORBOND®	1.86	
Mass / Unit Area (kg/m <sup>2</sup> )	ZINCALUME®	6.65	1000 / (m Mass/profile width)
	COLORBOND®	6.76	
Coverage (mm)	275	475	
Minimum Yield Strength	G300		Base Steel Designation
Coating Class	AZ150		Minimum Coating g/m <sup>2</sup> of Zinc - Aluminium
Tolerance	Sheet Length ±7mm Cover Width ±4mm		
Thermal Expansion	2.9mm average per 5m at 50° C change		

Table 2.18.A Neo-Roman Material Specifications

Neo-Roman is manufactured exclusively by Fielders and is available in a wide range of material including ZINCALUME, COLORBOND®, COLORBOND® Ultra, COLORBOND® Metallic, Colorcoat HPS200, copper and stainless steel. Neo-Roman is installed on a ply substrate and in most cases can be installed to a minimum pitch of 5°.

Fielder's Neo-Roman utilises the ancient Roman roofing profile to create aesthetically pleasing and functional roofing solutions. Neo-Roman is available in standard 275mm or 475mm cover widths, the most cost effective and practical forms of the product with the exception of VM Zinc with the most cost effective cover widths of 375mm and 545mm. The Neo-Roman rib height is 30mm.

Neo-Roman can be manufactured as a tile, the optimum tile length being either 600mm or 900mm cover (see figures 2.18.C for profile, 2.18.J for bracket and 2.18.D for installation method).

Neo-Roman offers many creative possibilities. Neo-Roman can be manufactured as a roof or wall cladding (see figures 2.18.K for bracket, 2.18.H for walling installation method and 2.18.I for roofing installation method). When used as walling, if Neo-Roman 275mm cover is utilised, there is no need for a ply substrate. However, the spacing of the girt should not exceed 600mm to minimise oil canning. Maximum length for this profile is 4000mm. For project specific advice, please contact your local Fielders office to discuss your project requirements.

Neo-Roman can also be made with the ribs and pan in one piece (see figure 2.18.E for profile). Neo-Roman All-in-one can be manufactured up to a maximum length of 4000mm. All-in-one panels are pierce fixed through the crest of the rib using appropriate fixings (see figure 2.18.F for installation method).

For pitches over ten degrees, in normal conditions, Neo-Roman can be end lapped, in exposed situations silicon sealing of laps may be required. Figure 2.18.D illustrates a typical lap joint for roofs under ten degrees (minimum pitch 5°), the respective dimensions to be determined according to the pitch of the roof and the relative exposure of the site (see figure 2.18.J for tile bracket and 2.18.D for installation method).

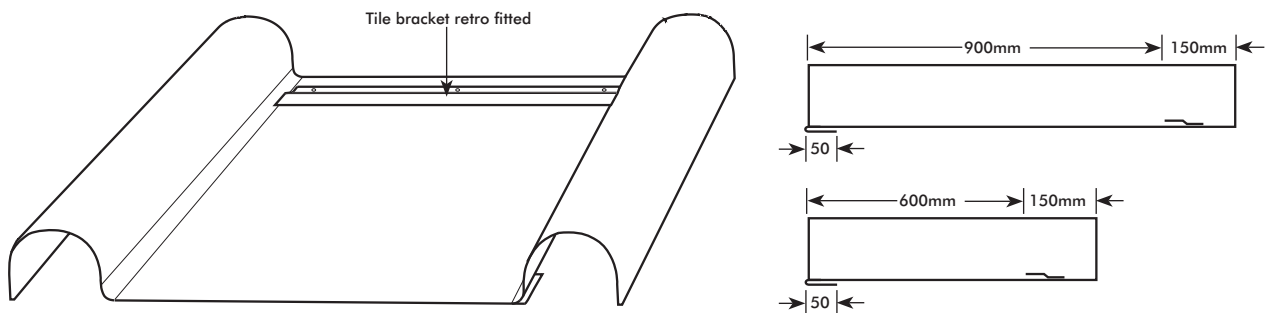


Figure 2.18.C Neo-Roman Tile

### Tapered Neo-Roman

Neo-Roman can be manufactured as a tapered deck and naturally spring curves. The ribs can be made separately to the pans giving the ability to achieve tighter radii and minimising the effects of oil canning. Fielders will customise the deck and fixing system to your requirements.

### Preserving Our Heritage

The use of Bluescope Z600 Heritage Galvanised coil (the old double dipped two oz. galv) provides the opportunity for architects to match, replace or recreate the roofs of some of Australia's most magnificent old buildings. An outstanding example of the use of Neo-Roman in heritage galv is on Old Government House in Brisbane. In this instance a two-pan Neo-Roman tile was used to reproduce the look of the old roof.



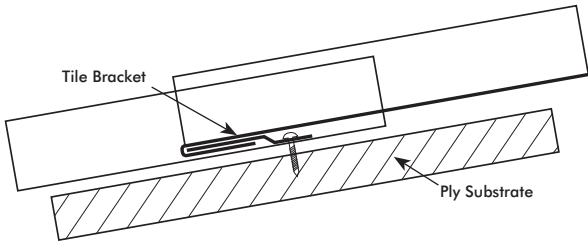


Figure 2.18.D Neo-Roman Tile Typical Lap Joint

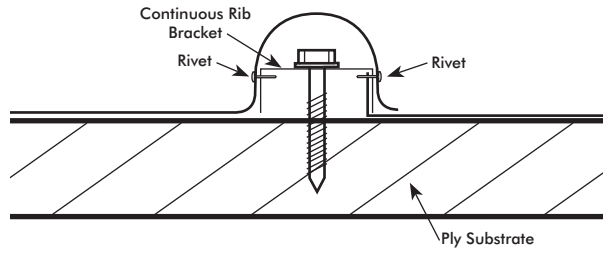


Figure 2.18.I Neo-Roman Single Rib Roofing Installation Method

**Note:** Neo-Roman may be manufactured with a stand alone rib with the following qualifications; Brackets must be continuous. Sisalation with laps taped must be installed between the Neo-Roman and the substrate. Minimum pitch 10°. Contact your local Fielders representative for further details. (Refer Figure 2.18.K for dimensions)



Figure 2.18.E Neo-Roman All-in-one

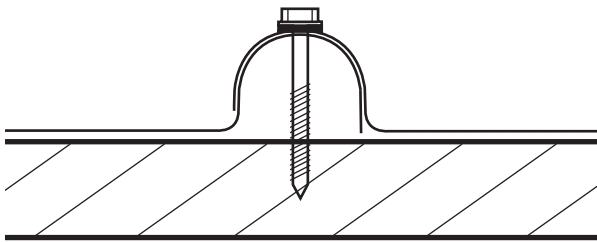


Figure 2.18.F Neo-Roman All-in-one Installation Method

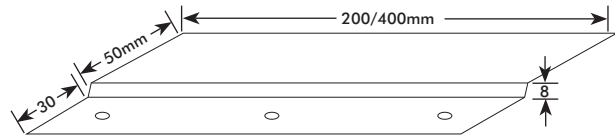


Figure 2.18.J Neo-Roman Tile Bracket



Figure 2.18.G Neo-Roman Single Rib Walling and Roofing

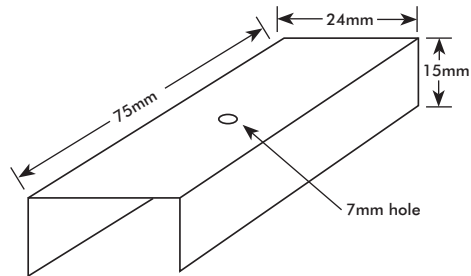


Figure 2.18.K Neo-Roman Rib Bracket (Typical)

**Note:** Continuous bracket - Figure 2.18.I similar.

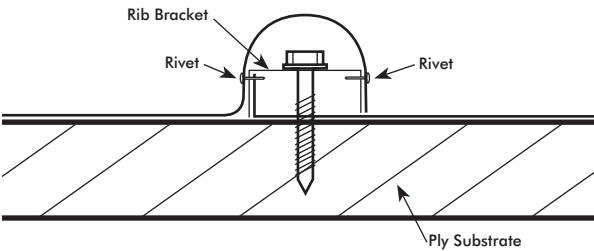


Figure 2.18.H Neo-Roman Single Rib Walling Installation Method

## Turning of Roof Sheeting Ends

Refer to section 4.8 "Flashings, Cappings and Ends of Sheets".