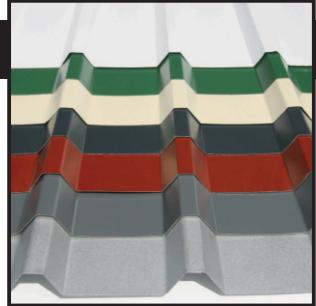
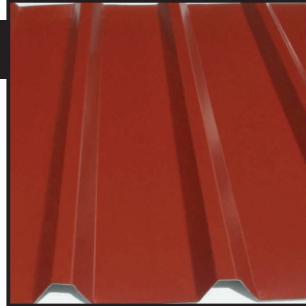


## WIDEK (762MM COVER) PROFILE

### 1. GENERAL INFORMATION AND APPLICATIONS:

Youngman's **WIDEK** profile is an angular / trapezoidal fluted sheet and is similar to the IBR profile. The difference is the effective cover width (762mm) due to the slight shallower rib height (approx. 29mm) thus providing an effective saving compared to the **IBR** profile. Due to this cost benefit, **WIDEK** is the preferred profile for side cladding and because it has a greater cover width, fewer sheets are required. **WIDEK** is also often preferred over the corrugated profile because it is a stronger profile than the corrugated profile and has the same effective cover width and therefore more suited to flat pitches. Each broad flute can be turned-up (stop ended) at the headwall / ridge detail and also turned down at the eaves / gutter's edge to form an effective drip detail. The **WIDEK** profile is less likely to be damaged due to load / installation and has a greater water run-off capacity than the corrugated profile. **WIDEK** can be factory cranked to the narrow flute (NFO) or broad flute (BFO) (i.e. reverse crank) or bullnosed to a wide range of specifications (Minimum internal radius: 450mm) to suit your application. **WIDEK** can be requested / ordered as roofing where the colour is specified to show on the narrow flute side (NFO / Narrow Flute Out) and as cladding to the sides of the building where the colour is often specified to show on the broad flute side (BFO / Broad Flute Out). **WIDEK** can also be roll-formed with a stiffener rib in each wide pan/ broad flute when used as cladding to assist in minimising oil-canning.



### 2. SHEET LENGTH AND RECOMMENDED PITCH:

We are able to supply and deliver **WIDEK** sheets of up to 15 metres in length using our own vehicles.

Delivery of sheets up to 22 metres in length can be arranged by special request at an additional cost.

The minimum recommended roof pitch for **WIDEK** is 7.5 degrees (approx. 131mm rise per metre), provided that the roof slope is less than 15 metres.

For longer sheets a minimum pitch of 10 degrees is recommended.

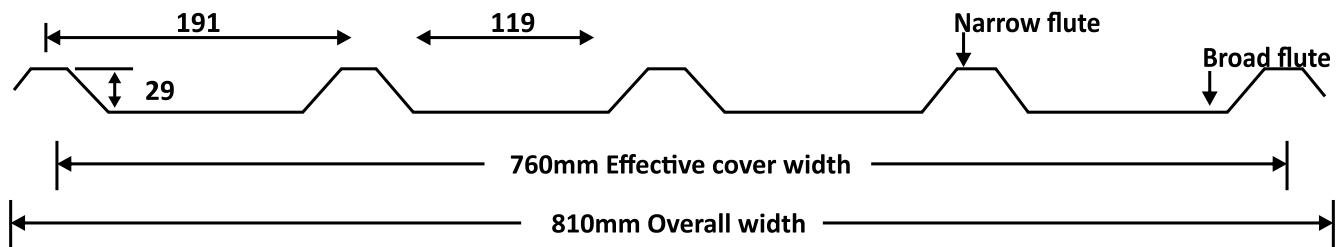
### 3. STRUCTURAL GUIDELINES AND CHARACTERISTICS:

**WIDEK** roof sheets are available in a range of materials which will display varying structural properties.

The table below should be used as a guideline only as purlin spacing is dependant on numerous factors, i.e. the prevailing wind conditions in the region; the type of structure that is being erected (single storey / multi storey) and the roof pitch; as examples. We therefore recommend an engineer is consulted to determine the purlin spacing for each particular application.

MAXIMUM RECOMMENDED PURLIN SPACING (metres)						
THICKNESS (TCT - Top Coated Thickness)	0.40mm	0.47mm	0.50mm	0.53mm	0.58mm	0.80mm
GRADE (Yield Strength)	ISQ/ G 550	ISQ/ G 550	ISQ 550	G 550	ISQ 230	ISQ 230
ROOF						
Single Span	0,70	1,20	1,20	1,30	1,30	1,70
End Span	0,90	1,30	1,30	1,35	1,35	1,75
Cantilever	0,15	0,30	0,30	0,30	0,30	0,40
Internal Span	1,00	1,05	1,10	1,15	1,40	1,80
WALLS/ CLADDING						
Single Span	0,95	1,80	1,80	1,95	1,95	2,20
End Span	1,30	1,90	1,90	2,00	2,00	2,25
Cantilever	0,40	0,60	0,60	0,75	0,75	0,85
Internal Span	1,30	1,90	1,90	2,10	2,10	2,60

#### 4. TOLERANCES AND TYPICAL PROFILE:



#### 5. SPECIFICATION/MATERIAL OPTIONS: (COLORBOND NOW INCLUDING THE MATT FINISH)

MATERIAL TYPE	Thickness in millimetres (mm)						
	0.3mm	0.4mm	0.47mm	0.5mm	0.53mm	0.58mm	0.8mm
Pre-Galvanised	Z100	Z150	Z275	Z275	Z275	Z275	Z275
Bluescope Zincalume® AZ150			✓		✓		
Bluescope Zincalume® AZ200			✓		✓		
Safal Zincal AZ150			✓		✓		
Safal Zincal AZ200			✓		✓		
Bluescope Clean COLORBOND™ AZ150			✓		✓		
Bluescope Clean COLORBOND™ Ultra AZ200			✓		✓		
Safal Colorplus® AZ150			✓		✓		
Safal Colorplus® Ultima AZ200			✓		✓		
POLYCARBONATE	Thickness in millimetres (mm)						
	1.0mm	1.25mm					
Available in Clear; White/ Opal; Bronze;	UV2S	UV2S					
Solar Control & Diffuser							
SUGGESTED TYPE OF FASTENER							
WALL/CLADDING - BFO							
TIMBER		STEEL		TIMBER		STEEL	
Pre-Galvanised	50mm Class II	25mm Class II	75mm Class II	65mm Class II			
Bluescope Zincalume® AZ150	50mm Class III	25mm Class III	75mm Class III	65mm Class III			
Bluescope Zincalume® AZ200	50mm Class IV	25mm Class IV	75mm Class IV	65mm Class IV			
Safal Zincal AZ150	50mm Class III	25mm Class III	75mm Class III	65mm Class III			
Safal Zincal AZ200	50mm Class IV	25mm Class IV	75mm Class IV	65mm Class IV			
Bluescope Clean COLORBOND™ AZ150	50mm Class III	25mm Class III	75mm Class III	65mm Class III			
Bluescope Clean COLORBOND™ Ultra AZ200	50mm Class IV	25mm Class IV	75mm Class IV	65mm Class IV			
Safal Colorplus® AZ150	50mm Class III	25mm Class III	75mm Class III	65mm Class III			
Safal Colorplus® Ultima AZ200	50mm Class IV	25mm Class IV	75mm Class IV	65mm Class IV			
Colour coded caps are available and strongly advised when a Class IV fastener is required							

Further technical information can be obtained from W.C. Youngman S.A. (PTY) Ltd.  
Trading as Youngman Roofing and Sheet Metal Works

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