

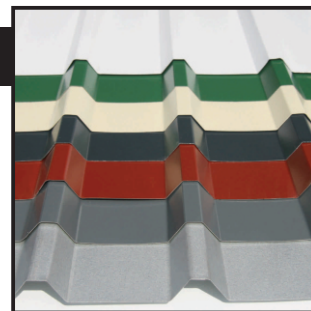
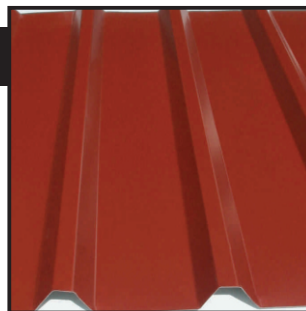
WIDEK (762MM COVER) PROFILE

021 511 8125 | info@youngman.co.za | www.youngman.co.za



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:

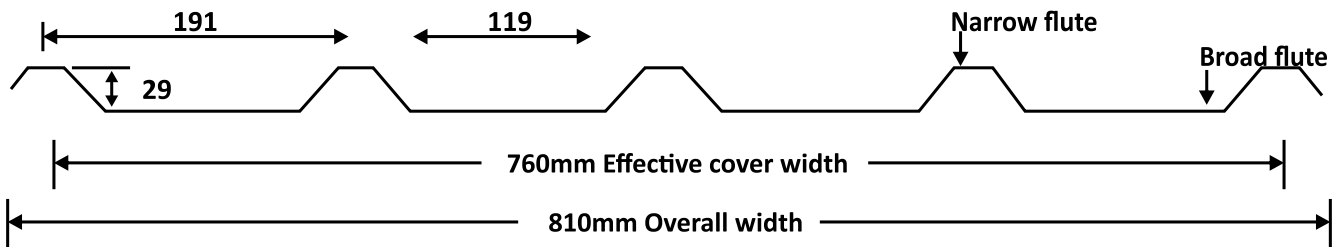
We are able to supply and deliver **WIDEK** sheets of up to 15 metres in length using our own vehicles. Delivery of sheets up to 22 metres in length can be arranged by special request at an additional cost. The minimum recommended roof pitch for **WIDEK** is 7.5 degrees (approx. 131mm rise per metre), 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)							
(Subject to stock & availability)	0.3mm	0.4mm	0.47mm	0.5mm	0.53mm	0.58mm	0.8mm	
Pre-Galvanised	Z100	Z150	Z275	Z275	Z275	Z275	Z275	
Bluescope Zinalume® AZ150			✓		✓			
Bluescope Zinalume® AZ200			✓		✓			
Safal Zinal AZ150			✓		✓			
Safal Zinal AZ200			✓		✓			
Bluescope Clean COLORBOND™ AZ150			✓		✓			
Bluescope Clean COLORBOND™ Ultra AZ200			✓		✓			
Safal Colorplus® AZ150			✓		✓			
Safal Colorplus® Ultima AZ200			✓		✓			
POLYCARBONATE	Thickness in millimetres (mm)							
Available in Clear; White/ Opal; Bronze;	1.0mm		1.25mm					
Solar Control & Diffuser	UV2S		UV2S					
	SUGGESTED TYPE OF FASTENER							
	WALL/CLADDING - BFO			ROOF - NFO				
	TIMBER		STEEL		TIMBER		STEEL	
Pre-Galvanised	50mm Class II		25mm Class II		75mm Class II		65mm Class II	
Bluescope Zinalume® AZ150	50mm Class III		25mm Class III		75mm Class III		65mm Class III	
Bluescope Zinalume® AZ200	50mm Class IV		25mm Class IV		75mm Class IV		65mm Class IV	
Safal Zinal AZ150	50mm Class III		25mm Class III		75mm Class III		65mm Class III	
Safal Zinal 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