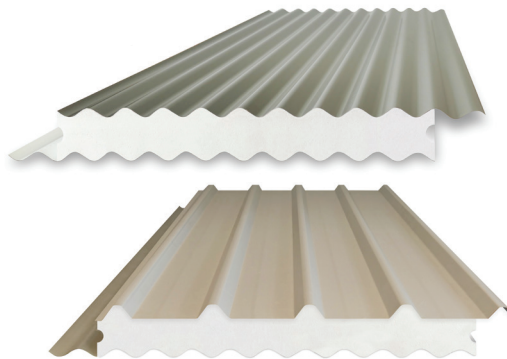


Aquatek Roof Panel Span Tables & Thermal Ratings

Version 2015.02



The ultimate roofing system for highly corrosive, industrial and aquatic environments. With large spanning capabilities and a range of panel thicknesses to suit your project.



UP TO 30 YEAR
WARRANTY



GROUP 2
FIRE RATED



HIGH THERMAL
RATING



SUPERIOR SPAN
& CANTILEVERS



CORROSIVE
SOLUTION

ARCPANEL Aquatek Roof Panel - Overview

FULLY INTEGRATED ROOF SYSTEM

ARCPANEL Aquatek roof panel combines aesthetic, innovative design, with high strength, durability and excellent thermal insulation. **ARCPANEL** panels can also be curved to produce an outstanding architectural feature and provide increased interior space. The **ARCPANEL** Aquatek roof panel can achieve significant cantilevers, in some applications up to 40% the actual back span and this unique system eliminates the need for complex, expensive roof structures. The lightweight **ARCPANEL** panels are easily handled on site, achieving faster, lower cost installation.

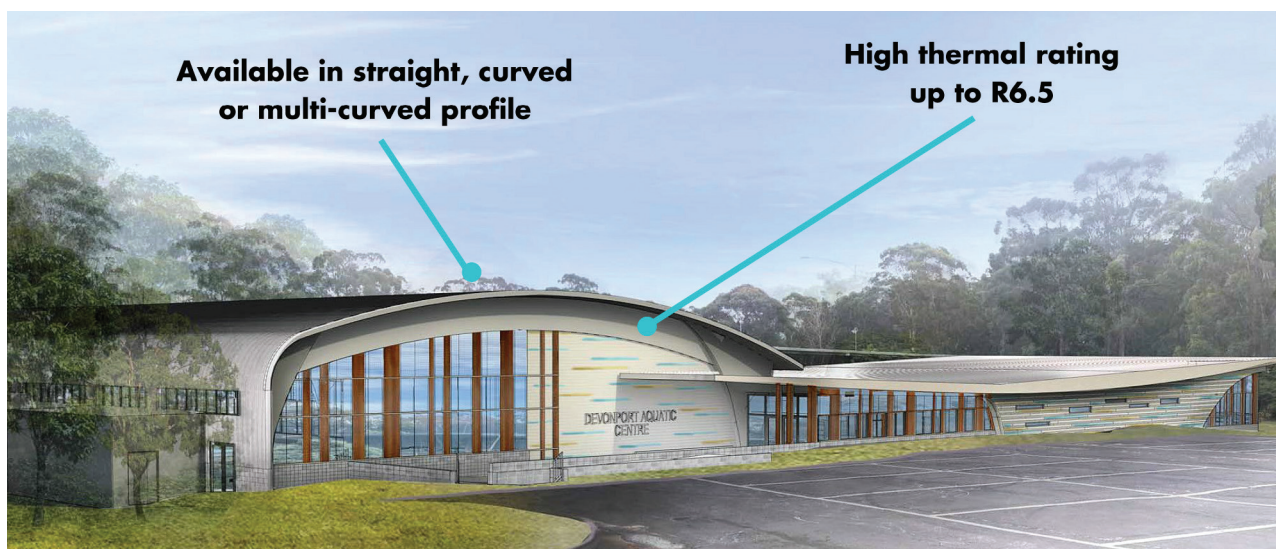
UNIQUE DESIGN & CONSTRUCTION

ARCPANEL pre-fabrication starts with high quality BlueScope COLORBOND® steel on the top sheet with corrugated Aluminium on the bottom sheet, both bonded to a profiled EPS core. The panel yields high strength resulting in large spans and cantilevers along with a high insulation value. Standard ratings from R1.7 to R6.5 can easily be achieved. After the panels are fixed in place, there is virtually no maintenance required other than the occasional wash down.

On site time spent fitting trusses, eave linings, plasterboard, battens, insulation lining, roof sheeting and painting, is eliminated when using **ARCPANEL** Aquatek roof panel.

KEY FEATURES AND BENEFITS

- ✓ Achieve up to 8.8m unsupported spans
- ✓ Designed for Aquatic Centres, Marine and other severe environments
- ✓ Pre-finished top and bottom sheet, reducing the need for ceilings and internal painting
- ✓ Extensive range of colours available
- ✓ Straight, curved or multi-curved configurations, suitable for most architectural designs
- ✓ Top Sheet is available in COLORBOND® Ultra, Xtreme, Stainless Steel and Zinalume
- ✓ Bottom Sheet available in Aluminium sheeting with a range of colours and PVdF coating system
- ✓ Rapid installation makes the **ARCPANEL** Aquatek roof panel a clear winner over traditional roof construction
- ✓ Fire rated to Group 2 - roof and wall lining material to comply with the BCA
- ✓ Superior standard thermal ratings up to R6.5 are achieved using the **ARCPANEL** Aquatek roof panel



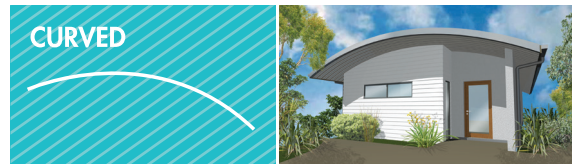
ARCPANEL Aquatek Roof Panel - Applications

ROOF TYPES



Straight panels can be manufactured up to 24 metres in length, suitable for aquatic centres, commercial and industrial projects.

Straight, Curved & Multi-curved panels can be manufactured using XRW, Ultra, Stainless Steel, Zinalume® on the top sheet and aluminium on the bottom sheet in a range of colours.



Curved panels can be manufactured to a minimum radius of 3m for the corrugated profile and 60m for the Trimdek® profile.

Curved panels can be manufactured in lengths up to 24 metres long. Panels can be joined to achieve longer runs.



Multi-curved panels can be manufactured to a minimum radius of 3m for the corrugated profile.

Multi-curved panels can be manufactured in lengths up to 24 metres long. Panels can be joined to achieve longer runs.



Corrugated panels can be manufactured to suit a Bull nose radii of 600mm, 750mm and 900mm.

Bullnose panels can be manufactured in lengths up to 24 metres.

MATERIAL SELECTION

Due to the extreme weather conditions and geographic locations in Australia and its coastal areas, care should be taken when selecting the material type that will be used in constructing the **ARCPANEL** Aquatek roof panel. Technical Bulletins developed by BlueScope Steel are available from **ARCPANEL**, or visit www.bluescopesteel.com.

COLORBOND®

An **ARCPANEL** insulated roof system with **COLORBOND®** steel plays a major part in the design of a thermally efficient building. **COLORBOND®** steel now includes Thermatech® solar reflectance technology to reflect more of the sun's heat, especially in summer. In hot weather, **COLORBOND®** steel with Thermatech® can help reduce peak roof temperatures by up to 11°C.

ARCPANEL Aquatek Roof Panel - Xtreme Material Specifici-

An ideal alternative solution for your roof system in coastal, aquatic, industrial or harsh chemical environments.

Aquatek Xtreme is an insulated roof solution suitable for corrosive environments especially those that are in close proximity to coastal areas, aquatic centres, industrial or chemical environments. The weather side of the sheet has an advanced exterior coat paint system containing at least 70% PVF2 resin in the dry paint film. The Xtreme material finish can be applied to the top side with aluminum on the bottom side of the panel.

Key Features and Benefits

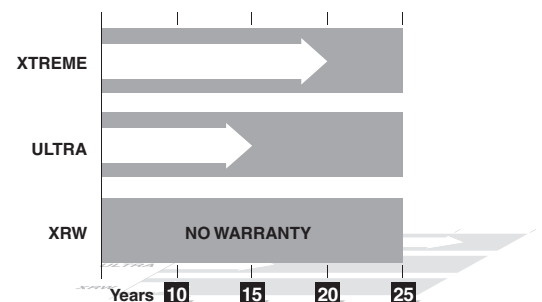
- ✓ Ideal for open and enclosed applications
- ✓ No flaking or peeling of the paint film for up to 20 years*
- ✓ Outstanding colour and gloss retention suitable for roofing, cladding, and rainwater goods
- ✓ Suitable for severe marine and industrial sites with a high risk of deterioration from corrosive elements
- ✓ Corrosion Warranties up to 25 years (depending on location)

WARRANTY INFORMATION

Historically, to obtain a significant warranty in severe marine, coastal, aquatic centres, industrial or harsh chemical environments stainless steel products are generally specified. However, using **ARCPANEL** Aquatek Xtreme Roof Panel™ will provide warranties up to 25 years.



TOP SHEET WARRANTY PERIOD EXAMPLE
SEVERE MARINE (ISO CAT.4)



ARCPANEL Aquatek Roof Panel - Span Tables & Thermal Ratings

AQUATEK ROOF PANEL - SPAN TABLES & THERMAL RATINGS



NON CYCLONIC - Corrugated top and bottom sheet

Midspan deflection up to span / 120 at serviceability limit state; Self weight deflection up to span / 600
Maximum unsupported Spans (mm)



PANEL TYPE		75mm		85mm		100mm		125mm		140mm		160mm		175mm		200mm		250mm	
R VALUE		R1.7		R2.0		R2.4		R3.1		R3.5		R4.1		R4.5		R5.2		R6.5	
Wind Class (Permissible)	Ultimate Limit State Design Wind Pressure (P) (kPa)	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER
		N2-W33	1.52	3900	1150	4300	1250	4950	1450	6000	1800	6475	1850	6800	1950	7025	2000	7750	2100
	1.68	3760	1110	4145	1210	4775	1400	5775	1730	6250	1790	6560	1880	6800	1930	7500	2030	8580	2270
	1.85	3620	1070	3990	1170	4600	1350	5550	1660	6025	1730	6320	1810	6575	1860	7250	1960	8285	2190
	2.01	3480	1030	3835	1130	4425	1300	5325	1590	5800	1670	6080	1740	6350	1790	7000	1890	7990	2110
	2.18	3340	990	3680	1090	4250	1250	5100	1520	5575	1610	5840	1670	6125	1720	6750	1820	7695	2030
N3-W41	2.34	3200	950	3525	1050	4075	1200	4875	1450	5350	1550	5600	1600	5900	1650	6500	1750	7400	1950
	2.57	3070	910	3400	1010	3920	1150	4700	1390	5160	1495	5405	1550	5695	1590	6280	1690	7160	1880
	2.80	2940	870	3275	970	3765	1100	4525	1330	4970	1440	5210	1500	5490	1530	6060	1630	6920	1810
	3.03	2810	830	3150	930	3610	1050	4350	1270	4780	1385	5015	1450	5285	1470	5840	1570	6680	1740
	3.26	2680	790	3025	890	3455	1000	4175	1210	4590	1330	4820	1400	5080	1410	5620	1510	6440	1670
N4-W50	3.50	2550	750	2900	850	3300	950	4000	1150	4400	1275	4625	1350	4875	1350	5400	1450	6100	1600
	3.80	2420	710	2760	810	3165	910	3855	1110	4240	1230	4465	1300	4695	1300	5205	1400	5780	1520
	4.11	2290	670	2620	770	3030	870	3710	1070	4080	1185	4305	1250	4515	1250	5010	1350	5460	1440
	4.41	2160	630	2480	730	2895	830	3565	1030	3920	1140	4145	1200	4335	1200	4815	1300	5140	1360
	4.72	2030	590	2340	690	2760	790	3420	990	3760	1095	3985	1150	4155	1150	4620	1250	4820	1280
N5-W60	5.03	1900	550	2200	650	2625	750	3275	950	3600	1050	3825	1100	3975	1100	4425	1200	4500	1200

Top sheet = 0.42 Colorbond XRVV/Ultra Bottom sheet = 0.8 Aluminium

Span & fixing selection notes (non cyclonic areas)

- The above span tables apply to typical enclosed buildings built on the ground, less than 20m high with sealed doors and windows capable of resisting the applied wind pressures.
- Roof pressure coefficients: $C_{pe} = 1.5 X - 0.9 = -1.35$, $C_{pi} = +0.2$ [$C_{pi} = +0.7$ at cantilever]
- The building designer must take into account any application where the C_{pi} would exceed > 0.2 in open or partly open structures
- Maximum cantilever is up to 40% actual backspan for ULS wind pressure up to 3.49 kPa, up to 30% actual backspan for ULS wind pressure 3.50 kPa and greater. Cantilever can not be greater than max length shown. (Maximum cantilever lengths cannot be exceeded. Choose a thicker panel to achieve the required cantilever.) (Minimum width of cantilevered roof is 1.5 x cantilever)
- Wind Load Serviceability Criteria based on AS 4055, $V_s = 0.64 \times V_u$
- Over sized gutters may affect the cantilever capability, contact **ARCPANEL** for advice
- Limited raking, diaphragm action and lateral restraint capacity
- 300mm maximum side cantilever using full uncut panel
- Thermal R-Values are Total R Values (Winter - Tested conductivity 0.038 W/m.K at 23°C)
- Spans shown are for XRW, ULTRA materials used on the top side (roof) sheet and aluminium materials used on the bottom side (ceiling) sheet only. For Xtreme material, spans reduce by 5% for ULS Design Wind Pressures less than 2.34kPa.

The Ultimate Strength Limit State Design Wind Pressures (P) indicated in the above span tables represent generalised design pressures applicable for single span panels located within edge zones of a roof where local pressure factors K(local) apply, for the appropriate Permissible Wind Class. Assumed values of pressure coefficients for Single Spans:- $C_{pe} = 1.5x - 0.9 = -1.35$, $C_{pi} = +0.2$, $K_c = 1.0$ [$C_{pi} = +0.7$ for cantilever]. The above pressure coefficients and design wind pressures are recommended as a minimum. Where a designer determines more severe pressure coefficients than those indicated above or wish to limit deflections, they must select a thicker panel, reduce the span accordingly, or consult **ARCPANEL** for technical advice.

General notes

Live Loads:

Maximum distributed live load 0.25kPa.

Roofs in Alpine areas: Designer must refer to **ARCPANEL** for specialist advice regarding snow loadings

Deflection Limits:

The **ARCPANEL** span tables have been provided with specific deflection limits indicated for Serviceability wind speeds. The building designer must take all necessary care to select an appropriate panel thickness for their specific situation, taking into account the amount of potential roof panel movement relative to any attached non-structural elements, such as internal wall partitions and window frames etc. The building designer must also make allowance for deflections which can exceed those in the tables when wind speeds are occasionally above the designated serviceability wind speed during extreme weather conditions.

Cantilever Deflections:

Note that cantilever deflections will depend on the backspan, rigidity of supports, building geometry and building permeability. Cantilever deflection can be up to (cantilever length) / 50 at serviceability wind speeds. The building designer must take all necessary care to select an appropriate panel thickness for their specific situation taking into account the amount of potential roof panel movement at the ends of and along the sides of cantilevered sections of the roof, relative to any adjacent attached flashings, downpipes, screen partitions and walls. The building designer must also make allowance for cantilever deflections which can exceed (cantilever length) / 50 when wind speeds occasionally exceed serviceability wind speeds during extreme weather conditions. Cantilever deflections due to self weight can be up to (cantilever length) / 500.

NOTE: THE ABOVE SPAN TABLES ARE APPLICABLE TO **ARCPANEL** PANELS ONLY AND ARE ACHIEVABLE BY USING PROVEN MANUFACTURING METHODS AND PRODUCT TESTING. STRUCTURAL ADEQUACY OF THE PANELS IS CERTIFIED BY TOD CONSULTING ENGINEERS, NOOSAVILLE, QLD.

ARCPANEL Aquatek Roof Panel - Span Tables & Thermal

AQUATEK ROOF PANEL - SPAN TABLES & THERMAL RATINGS



NON CYCLONIC - Trimdek® top and corrugated bottom sheet

Midspan deflection up to span / 120 at serviceability limit state; Self weight deflection up to span / 600
Maximum unsupported Spans (mm)



PANEL TYPE		90mm		110mm		130mm		150mm		175mm		200mm		250mm	
R VALUE		R1.7		R2.3		R2.8		R3.4		R4.0		R4.7		R6.1	
Wind Class (Permissible)	Ultimate Limit State Design Wind Pressure (P) (kPa)	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER
N2-W33	1.52	3900	1150	4950	1450	6000	1750	6475	1800	6800	1900	7025	1950	8425	2200
	1.68	3760	1110	4775	1400	5775	1680	6250	1740	6560	1830	6800	1890	8145	2130
	1.85	3620	1070	4600	1350	5550	1610	6025	1680	6320	1760	6575	1830	7865	2060
	2.01	3480	1030	4425	1300	5325	1540	5800	1620	6080	1690	6350	1770	7585	1990
	2.18	3340	990	4250	1250	5100	1470	5575	1560	5840	1620	6125	1710	7305	1920
N3-W41	2.34	3200	950	4075	1200	4875	1400	5350	1500	5600	1550	5900	1650	7025	1850
	2.57	3070	910	3920	1150	4700	1350	5160	1450	5405	1500	5695	1590	6800	1790
	2.80	2940	870	3765	1100	4525	1300	4970	1400	5210	1450	5490	1530	6575	1730
	3.03	2810	830	3610	1050	4350	1250	4780	1350	5015	1400	5285	1470	6350	1670
	3.26	2680	790	3455	1000	4175	1200	4590	1300	4820	1350	5080	1410	6125	1610
N4-W50	3.50	2550	750	3300	950	4000	1150	4400	1250	4625	1300	4875	1350	5900	1550
	3.80	2420	710	3165	910	3855	1110	4240	1200	4465	1250	4695	1300	5560	1470
	4.11	2290	670	3030	870	3710	1070	4080	1150	4305	1200	4515	1250	5220	1390
	4.41	2160	630	2895	830	3565	1030	3920	1100	4145	1150	4335	1200	4880	1310
	4.72	2030	590	2760	790	3420	990	3760	1050	3985	1100	4155	1150	4540	1230
N5-W60	5.03	1900	550	2625	750	3275	950	3600	1000	3825	1050	3975	1100	4200	1150

Top sheet = 0.42 Colorbond XRW/Ultra Bottom sheet = 0.8 Aluminium
Trimdek® is a registered trade mark of Bluescope Steel



ARCPANEL Aquatek Roof Panel - Applications

Leading the Way

ARCPANEL continues to lead the way in developing new innovative solutions to meet the needs of the building and construction industry.

Offering the flexibility of material choice, large spanning capabilities and a range of panel thicknesses to suit your thermal requirements, the new innovative ARCPANEL Aquatek roofing system is a clear winner when it comes to specifying a solution for projects which are located in highly corrosive or aquatic environments.

Everything You Need from a Roof

With the additional benefits of up to 25 years warranty, attractive appearance, high thermal efficiencies, a large colour range and rapid installation; the new ARCPANEL Aquatek panel is the ultimate solution for multiple applications.

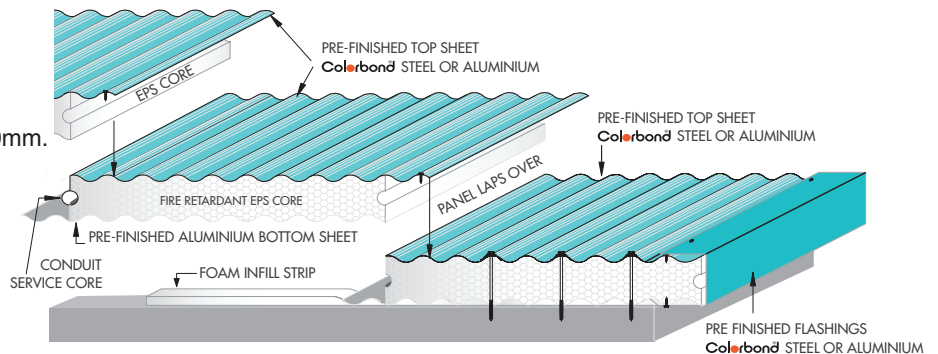
The ARCPANEL Aquatek Roof System combines aesthetic, innovative design, with high strength, durability, thermal insulation and has exceptional resistance to harsh coastal, industrial and aquatic environments.

Profile Options

ARCPANEL Aquatek is a pre-fabricated insulated panel available in two profile types, one comprising of a corrugated top and bottom sheet bonded to a profiled fire retardant EPS core, and another profile type comprising of a trapezoidal (Trimdek®) top sheet and corrugated bottom sheet bonded to a profiled fire retardant EPS core.



- Suitable for aquatic, marine, industrial or harsh environments.
- Panel thickness range from 75mm to 250mm.
- Superior span & cantilever capabilities.
- High durability & low maintenance.
- Available in a variety of pre-finished & modern appealing colours.
- Warranty period of up to 25 years, for peace of mind.



From luxury beach front homes, to remote outback industrial coal washers; the new ARCPANEL Aquatek panel is the perfect solution for your project.



Luxury Beach Side Homes



Ocean Side Walkway and Shade Structures



Pool Side Cabanas



Aquatic Centres




Surf Clubs



Industrial Buildings

ARCPANEL Aquatek Roof Panel - Colour Selection Chart

BLUESCOPE STEEL - COLORBOND MATERIAL AND COLOUR SELECTION CHART						
Colour	Classification	Solar Absorbance	Availability		Curving Grade	NSW Basix Sustainability Index
			XRW	Ultra Steel		
TOP STEEL SHEET						
Basalt™	Dark	0.69	✓			M
Classic Cream™	Very Light	0.31*	✓		✓	L
Cove™	Light	0.54	✓			L
Dune®	Light	0.466	✓	✓	✓	L
Evening Haze®	Light	0.427	✓		✓	L
Gully™	Dark	0.63	✓			M
Jasper®	Dark	0.682	✓		✓	M
Mangrove™	Dark	0.64	✓			M
Manor Red®	Dark	0.688	✓		✓	M
Pale Eucalypt®	Dark	0.597	✓		✓	M
Paperbark®	Light	0.421	✓		✓	L
Shale Grey®	Light	0.433	✓		✓	L
Surfmist®	Very Light	0.318*	✓	✓	✓	L
Terrain™	Dark	0.69	✓			M
Wallaby™	Dark	0.69	✓	✓		M
Whitehaven®	Very Light	0.23	✓	✓		L
Windspray®	Dark	0.584	✓	✓	✓	M
Zincalume	Very Light	≤0.35			✓	L
TOP SHEET - STAINLESS STEEL						
Surfmist®	Very Light	0.318*				L
TOP SHEET - ARCPANEL XTREME						
 PROTECT YOUR ROOF FROM HARSH CORROSIVE ENVIRONMENTS						
Off White	Very Light	0.318*				L
BOTTOM SHEET						
Aquatek White	Very Light	N/A	ALUMINIUM		✓	L
Aquatek Light Grey	Dark	N/A			✓	M
Aquatek Dark Grey	Dark	N/A			✓	D

MATERIAL AND COLOUR SELECTION

*Greater deemed to satisfy insulation concessions apply to these colours when used for Class 5 to 8, 9a and 9b buildings.

Other COLORBOND® colours are available, please contact **ARCPANEL** for further information.

General Disclaimer: Colours and availability are subject to change, please contact **ARCPANEL** to confirm colours and availability prior to specification.

Notes: 1) Some colours listed above may require longer manufacturing lead times.

Please contact **ARCPANEL** for further information.

2) COLORBOND® and colour names are registered trademarks of BlueScope Steel Limited™.

ARCPANEL AQUATEK PANEL SPECIFICATIONS							
Cover Width	Insulation Core Material	Length	Thermal Conductivity	Top Sheet Finish	Bottom Sheet Finish	Sheet Material	Typical Panel Weight
762mm	Expanded Polystyrene	Ordered to Size	0.038 W/mK	COLORBOND® COLORBOND® ULTRA ZINCALUME® ARCPANEL Xtreme Stainless Steel	ALUMINIUM	TOP SHEET 0.42BMT G550 Steel BOTTOM SHEET 0.8mm PVdF coated Aluminium	75mm = 7.5kg/m ² 140mm = 8.3kg/m ² 250mm = 9.8kg/m ²

PERFORMANCE PROPERTIES - CORRUGATED TOP SHEET PROFILE															
75mm Panel		100mm Panel		125mm Panel		140mm Panel		160mm Panel		175mm Panel		200mm Panel		250mm Panel	
TOTAL R VALUES															
R 1.7		R 2.4		R 3.1		R 3.5		R 4.1		R 4.5		R 5.2		R 6.5	
MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER
3900	1150	4950	1450	6000	1800	6475	1850	6800	1950	7025	2000	7750	2100	8875	2350
ACOUSTIC PERFORMANCE															
Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr
21dB	20dB	21dB	20dB	22dB	20dB	22dB	20dB	22dB	20dB	22dB	20dB	23dB	21dB	23dB	21dB

PERFORMANCE PROPERTIES - TRAPEZOIDAL TOP SHEET PROFILE													
90mm Panel		110mm Panel		130mm Panel		150mm Panel		175mm Panel		200mm Panel		210mm Panel	
TOTAL R VALUES													
R 1.7		R 2.3		R 2.8		R 3.4		R 4.0		R 4.7		R 6.1	
MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER	MAX SPAN	MAX CANTILEVER
3900	1150	4950	1450	6000	1750	6475	1850	6800	1900	7025	1950	8425	2200
ACOUSTIC PERFORMANCE													
Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr	Rw	Rw + Ctr
21dB	20dB	22dB	20dB	22dB	20dB	22dB	20dB	22dB	20dB	23dB	21dB	23dB	21dB

Note: Spans shown for N2-W33, refer to Custom panel Design & Detailing Manual for full span tables.

ENVIRONMENTAL EXPOSURE - MAXIMUM WARRANTY PERIOD (refer to full warranty terms and conditions)						
Panel Material Top Sheet (Roof Side)	Non Coastal – Location (ISO Cat. 1)	Coastal - Location >1km to 5km (ISO Cat. 2)	Marine / Industrial >200m - 1km (ISO Cat. 3)	Severe Marine / Industrial >100 - 200m (ISO Cat. 4)	Very Severe Marine / Industrial 0<-100m (ISO Cat. 5)	Aquatic / Chemical / Swimming Pool - Exposure
XRW COLORBOND / ZINCALUME	25yrs Corrosion 20yrs Paint System	20yrs Corrosion 20yrs Paint System	12yrs Corrosion 10yrs Paint System	No Warranty	No Warranty	No Warranty
ULTRA COLORBOND	25yrs Corrosion 20yrs Paint System	25yrs Corrosion 20yrs Paint System	20yrs Corrosion 18yrs Paint System	15yrs Corrosion 10yrs Paint System	10yrs Corrosion 10yrs Paint System	6yrs Corrosion 6yrs Paint System
ARCPANEL XTREME	25yrs Corrosion 20yrs Paint System	25yrs Corrosion 20yrs Paint System	20yrs Corrosion 18yrs Paint System	20yrs Corrosion 15yrs Paint System	15yrs Corrosion 10yrs Paint System	15yrs Corrosion 10yrs Paint System
COLORBOND STAINLESS	30yrs Corrosion 25yrs Paint System	30yrs Corrosion 25yrs Paint System	25yrs Corrosion 20yrs Paint System	25yrs Corrosion 15yrs Paint System	25yrs Corrosion 15yrs Paint System	25yrs Corrosion 15yrs Paint System
BOTTOM SHEET						
AQUATEK ALUMINIUM	30yrs Corrosion 25yrs Paint System	30yrs Corrosion 25yrs Paint System	25yrs Corrosion 20yrs Paint System	25yrs Corrosion 15yrs Paint System	25yrs Corrosion 15yrs Paint System	25yrs Corrosion 15yrs Paint System

Fire Hazard Properties

EARLY FIRE HAZARD AS / NZS 1530.3	
INDEX	RESULT
Ignitability	0
Spread of Flame	0
Heat Evolved	0
Smoke Developed	2

FULL SCALE ROOM TEST AS ISO 9705:2003	
INDEX	RESULT
Group Number	GROUP 2
Smoke Rate Index	(SMOGRRC) < 100
BUSHFIRE ATTACK LEVEL ASSESSMENT AS 3959:2009	
BAL Rating	LOW

Referenced Australian Standards

- BCA 2014 Building Code of Australia
- AS 1170 Parts 1 & 2 Loading Code
- AS 1562.1 Design and Installation of Metal Roofing
- ISO 19705:2003 Full scale room test for surface products
- AS 3959:2009 Construction of buildings in bushfire prone areas
- AS 1530.3 1999 Simultaneous determination of ignitability, flame propagation, heat release and smoke release

FIXING OPTIONS	
Main Fixing Screws	Class 4 Screws 14G Metal Tek Or T17
Stitching Screws	Hex Seal Class 4 T17 12 – 11 X 25
Rivets	73AA54

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