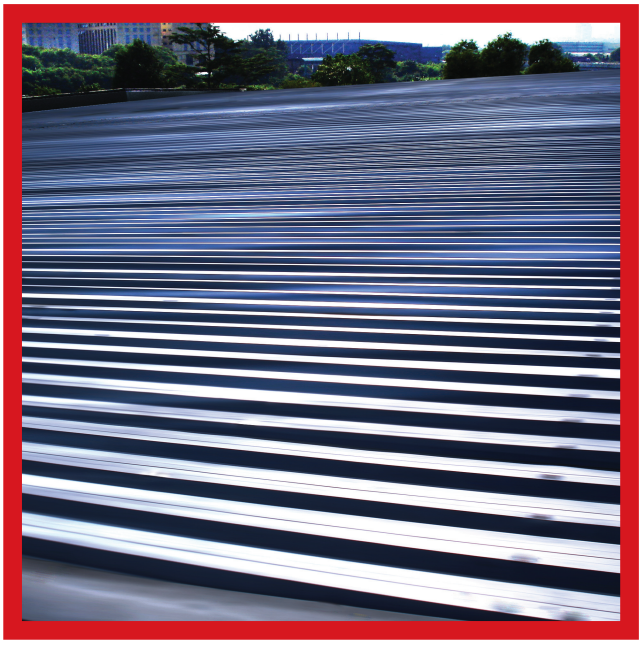
GAF We protect what matters most™

KaWa® R715



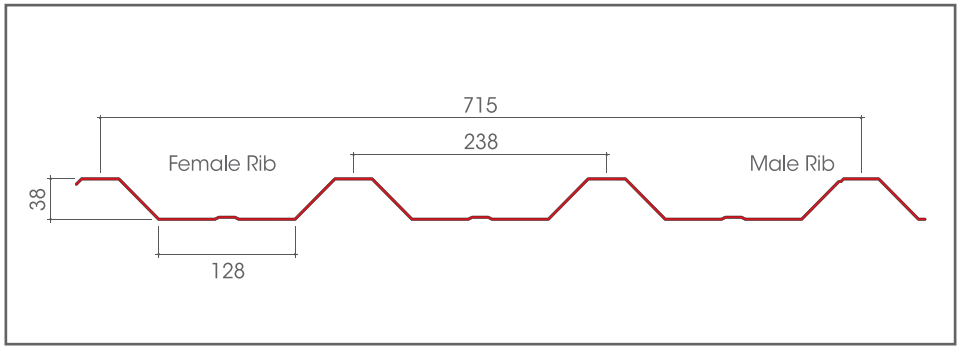
BOLD AND DEEP CORRUGATION

Screw Fixing Roof

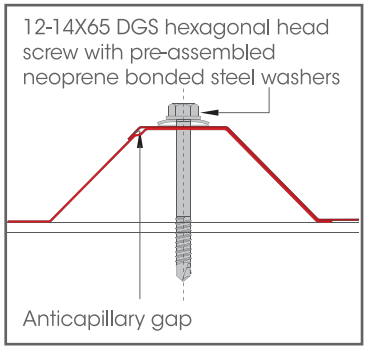
An economical 1° roof with bold and deep corrugations for aesthetics, strength and heavy rains. Ideally suited for use in power stations or alternatively as internal roof decking for some double skin roofing systems.

ADVANTAGES

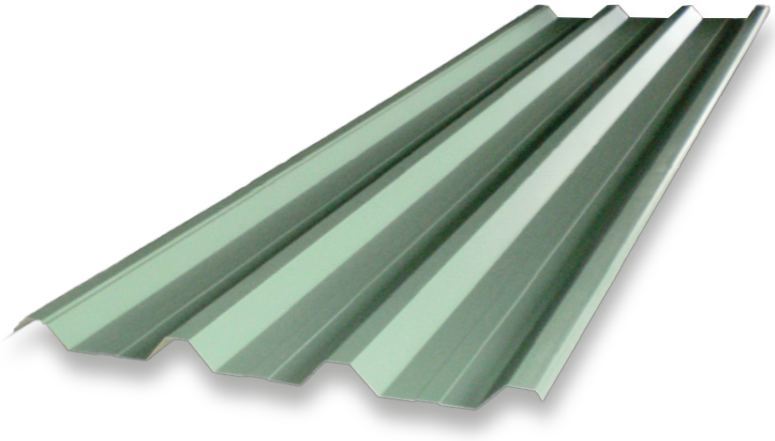
- Capable of being used as a roof panel on a 1° roof slope.
- Quick and easy to install.
- Available in convex and concave crimped curved designs.
- Bold and deep corrugations contemporary roof and wal cladding design.

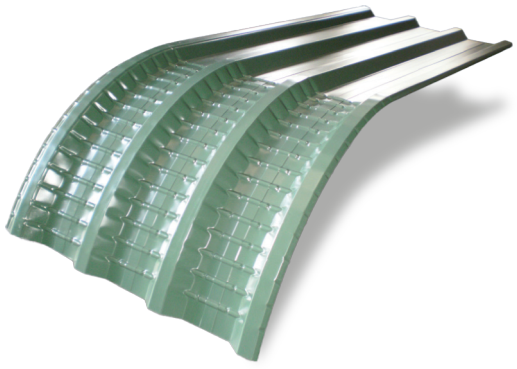


Section View



Side Lap Detail





Dimensions									
Material	Steel								
Grade of Steel	G550					G300			
Base Steel Thickness (BST), (mm)	0.35 'E'	0.42 'E'	0.48 'E'	0.55 'E'	0.60 'E'	0.70	0.75	0.80	0.90
Overall Width (mm)	Nominal 802								
Effective Cover Width (mm)	Nominal 715								
Rib Height (mm)	Nominal 38								

Profile Weight									
Mass per Unit Area (kg/m²)	3.64	4.41	5.01	5.71	6.21	7.22	7.72	8.22	9.22
Mass per Unit Length (kg/m)	2.60	3.15	3.58	4.08	4.44	5.16	5.52	5.88	6.59
Area per Metric Tonne (m² / tonne)	274.72	226.94	199.66	175.10	160.96	138.58	129.57	121.66	108.42

Distributed Load Capacity Over Continuous Beam for the KaWa® R715 Profile									
Span (m)									
0.9 Safe Load (kg/m²)	1237	1484	1696	1944	2120	–	–	–	–
Deflection for above Load (mm)	3	3	3	3	3	–	–	–	–
1.2 Safe Load (kg/m²)	696	835	954	1093	1193	670	718	766	862
Deflection for above Load (mm)	5	5	5	5	5	3	3	3	3
1.5 Safe Load (kg/m²)	445	534	611	700	763	429	460	490	552
Deflection for above Load (mm)	8	8	8	8	8	4	4	4	4
1.8 Safe Load (kg/m²)	309	371	424	486	530	298	319	341	383
Deflection for above Load (mm)	12	12	12	12	12	6	6	6	6
2.1 Safe Load (kg/m²)	227	273	312	357	389	219	235	250	281
Deflection for above Load (mm)	16	16	16	16	16	8	8	8	8
2.4 Safe Load (kg/m²)	174	209	239	273	298	168	180	192	215
Deflection for above Load (mm)	21	21	21	21	21	10	10	10	10
2.7 Safe Load (kg/m²)	137	165	188	216	236	132	142	151	170
Deflection for above Load (mm)	27	27	27	27	27	13	13	13	13
3.0 Safe Load (kg/m²)	111	134	153	175	191	107	115	123	138
Deflection for above Load (mm)	33	33	33	33	33	16	16	16	16
3.3 Safe Load (kg/m²)	92	110	126	145	158	89	95	101	114
Deflection for above Load (mm)	40	40	40	40	40	19	19	19	19
3.6 Safe Load (kg/m²)	77	93	106	121	133	74	80	85	96
Deflection for above Load (mm)	48	48	48	48	48	23	23	23	23
3.9 Safe Load (kg/m²)	–	–	–	–	–	63	68	73	82
Deflection for above Load (mm)	–	–	–	–	–	27	27	27	27
4.2 Safe Load (kg/m²)	–	–	–	–	–	55	59	63	70
Deflection for above Load (mm)	–	–	–	–	–	31	31	31	31

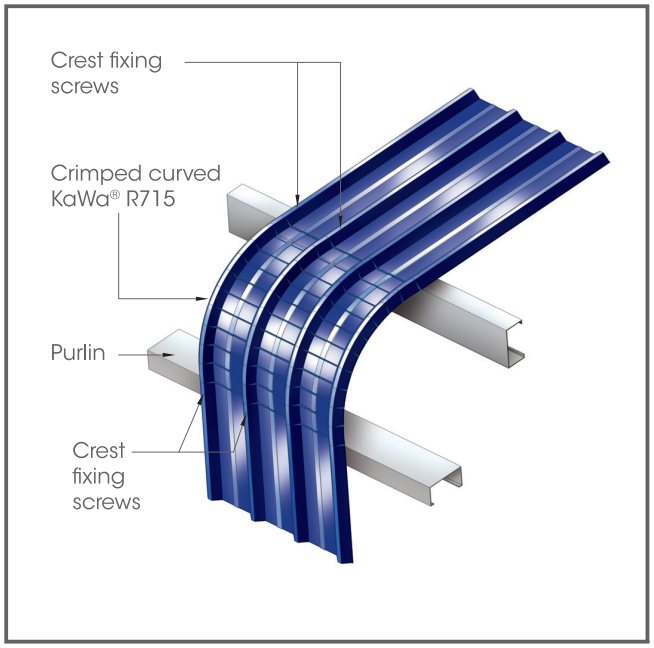
Maximum Recommended Spacing of Supports for the KaWa® R715 Profile									
Roof Application									
Single Span (mm)	1700	1800	1900	2000	2100	2000	2100	2200	2300
End Span (mm)	1800	1900	2000	2100	2200	2100	2200	2300	2400
Internal Span (mm)	2150	2300	2450	2600	2750	2500	2700	2800	2900
Free Cantilever (mm)	300	350	400	450	500	300	350	450	500
Wall Application									
Single Span (mm)	1900	2050	2200	2350	2500	2400	2500	2600	2700
End Span (mm)	1900	2050	2200	2350	2500	2400	2500	2600	2700
Internal Span (mm)	2400	2550	2700	2800	2900	3100	3200	3300	3400
Free Cantilever (mm)	300	350	400	450	500	300	350	450	500

'E'=High Tensile Steel (550MPa)

CONVEX AND CONCAVE ROOF

The KaWa® R715 Convex and Concave Profile adds beauty and functionality to the building envelope with advantages as follows:-

- Fewer structural supports required for fascias and roofs
- Aesthetically attractive exterior finish with simple installation.
- Reduced number of flashings and cappings.



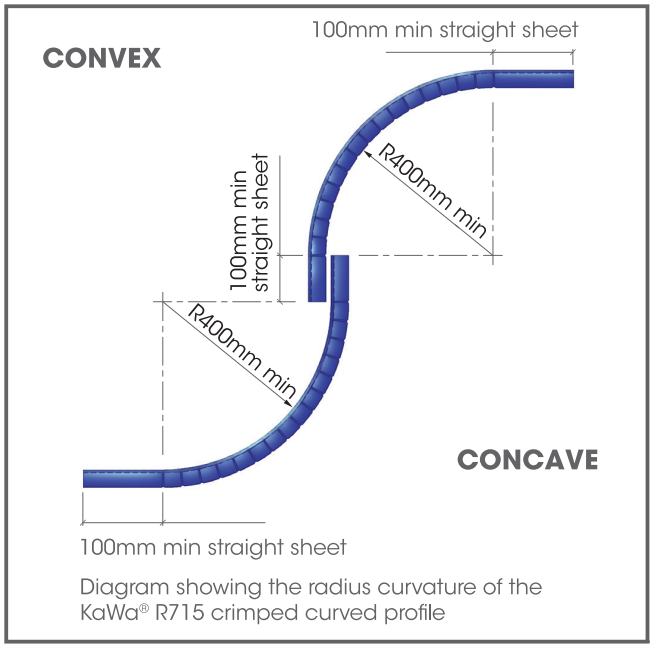
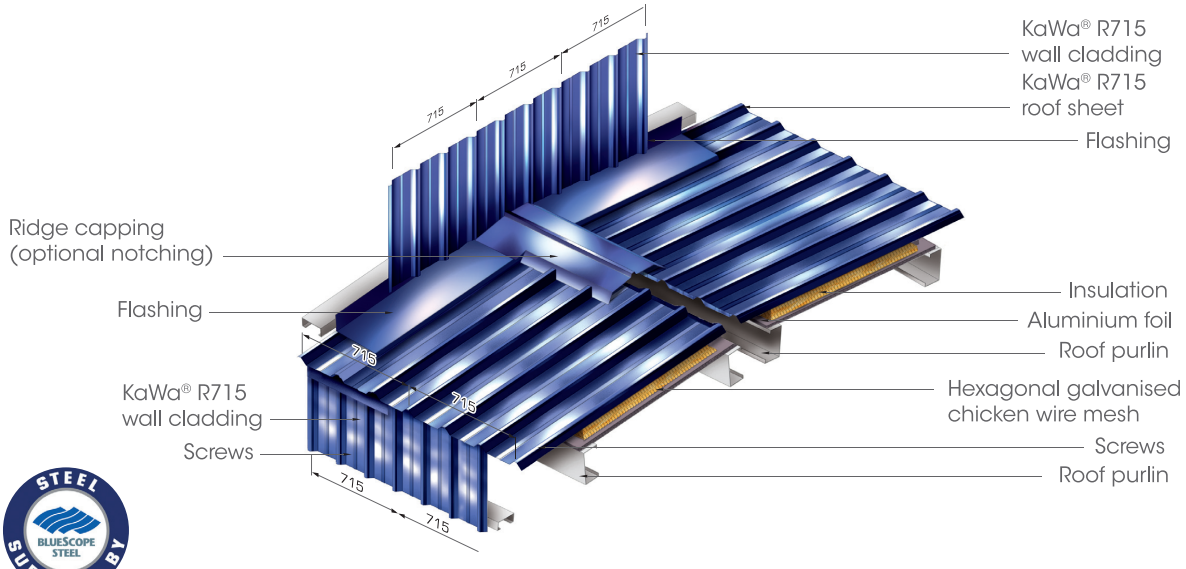


Diagram showing the radius curvature of the KaWa® R715 crimped curved profile

TYPICAL ASSEMBLY DRAWING OF THE KAWA® R715 PROFILE FOR ROOF & WALL CLADDING



MEMBER

Certified to: ISO 9001 : 2008
Cert No.: AR 1989

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