

# Amcan

Since 1983



AMCAN CLIPSEAM50



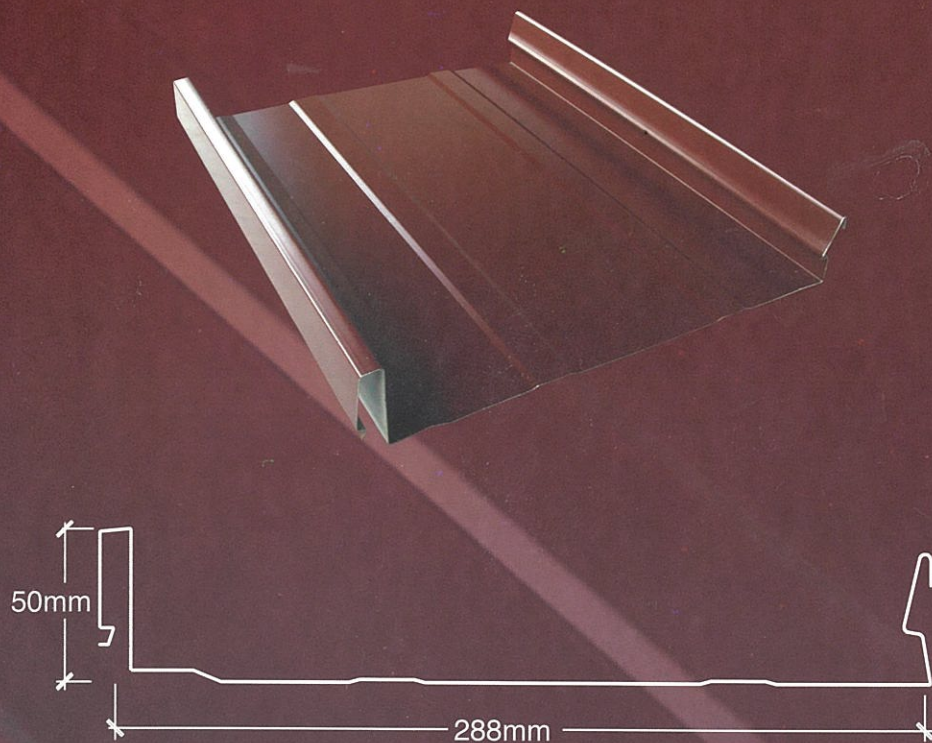
*Dedicated to quality excellence*

# CLIPSEAM50™ (W288)

## High-Ribs Concealed Snap-Lock System

**AMCAN CLIPSEAM50**, with a 50mm rib, is a uniquely licensed design concept from the USA that features a special concealed fastening system for regions with high rainfall. The screws are completely concealed and protected by the roofing sheet surface with anti-siphoning gaps and precise rib-snapping action to provide the most watertight and wind resistant roofing system available.

Besides weather resistance, Clipseam50 exhibits the very best in durability as the interlocking fasteners are not exposed to the outside element. The concealed fastener clip system also allows for thermal expansion/ contraction while providing extraordinary holding strength and structural performance.



## MATERIAL SPECIFICATION

AMCAN CLIPSEAM50 (W288) is made from premium (GL) 55% Al-Zn Alloy Coated Steel. Material Steel Grade is G550 (550 MPa minimum yield stress).

## PROFILE PROPERTIES

	Total Coated Thickness (mm)	Effective Width (mm)	Rib Height (mm)	Steel Grade (MPa)	Minimum Roof Pitch (°)
Standard	0.48	288	50	G550	1
Non - standard	0.60	288	50	G550	1

TOLERANCE: Length  $\pm 10$ mm, Cover Width  $\pm 4$ mm, Thickness  $\pm 0.02$ mm

## MAXIMUM PURLINS SUPPORT (CENTER TO CENTER)

Total Coated Thickness (mm)	Support Type For Roof	Single Span (mm)	Internal Span (mm)	End Span (mm)
	0.48		900	1200
0.60		1400	1500	1200

## MAXIMUM ALLOWABLE ROOF LENGTH (m)

Roof Slope (°)	Rainfall intensity (mm/hr)					
	150	180	200	250	300	350
1	380	320	288	230	190	165
3	408	340	305	245	203	175
5	460	405	360	293	245	210
7	595	495	445	358	295	255
10	638	520	475	380	315	270

## SPRUNG CURVING

As AMCAN CLIPSEAM50 (W288) uses high tensile steel (G550-550MPa), minimum radius for sprung curving is recommended to be 60m.

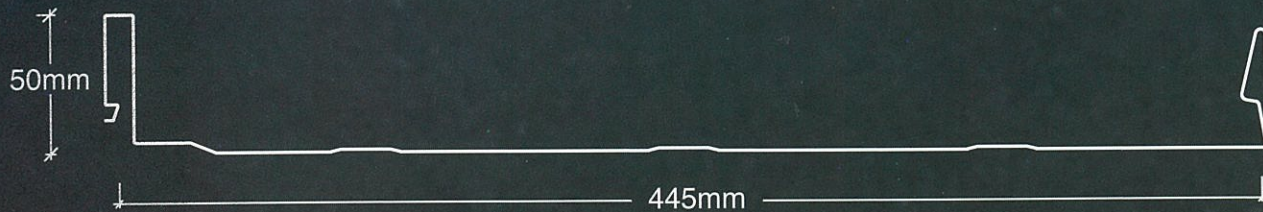


# CLIPSEAM50™ (W445)

## High-Ribs Concealed Snap-Lock System

**AMCAN CLIPSEAM50**, with a 50mm rib, is a uniquely licensed design concept from the USA that features a special concealed fastening system for regions with high rainfall. The screws are completely concealed and protected by the roofing sheet surface with anti-siphoning gaps and precise rib snapping action to provide the most watertight and wind resistant roofing system available.

Besides weather resistance, Clipseam50 exhibits the very best in durability as the interlocking fasteners are not exposed to the outside element. The concealed fastener clip system also allows for thermal expansion/ contraction while providing extraordinary holding strength and structural performance.



## MATERIAL SPECIFICATION

AMCAN CLIPSEAM50 (W445) is made from premium (GL) 55% Al-Zn Alloy Coated Steel. Material Steel Grade is G550 (550 MPa minimum yield stress).

## PROFILE PROPERTIES

	Total Coated Thickness (mm)	Effective Width (mm)	Rib Height (mm)	Steel Grade (MPa)	Minimum Roof Pitch (°)
Standard	0.48	445	50	G550	1
Non - standard	0.60	445	50	G550	1

TOLERANCE: Length  $\pm 10$ mm, Cover Width  $\pm 4$ mm, Thickness  $\pm 0.02$ mm

## MAXIMUM PURLINS SUPPORT (CENTER TO CENTER)

Total Coated Thickness (mm)	Support Type For Roof	Single Span (mm)	Internal Span (mm)	End Span (mm)
	0.48		900	1000
0.60		1000	1200	1000

## MAXIMUM ALLOWABLE ROOF LENGTH (m)

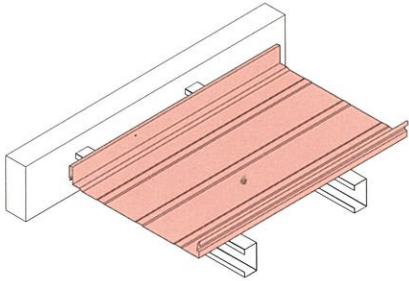
Roof Slope (°)	Rainfall intensity (mm/hr)					
	150	180	200	250	300	350
1	610	510	460	366	305	260
3	680	570	510	410	340	290
5	850	710	640	510	425	365
7	1060	890	800	640	530	458
10	1150	960	870	690	575	490

## SPRUNG CURVING

As AMCAN CLIPSEAM50 (W445) uses high tensile steel (G550-550MPa), minimum radius for sprung curving is recommended to be 60m.

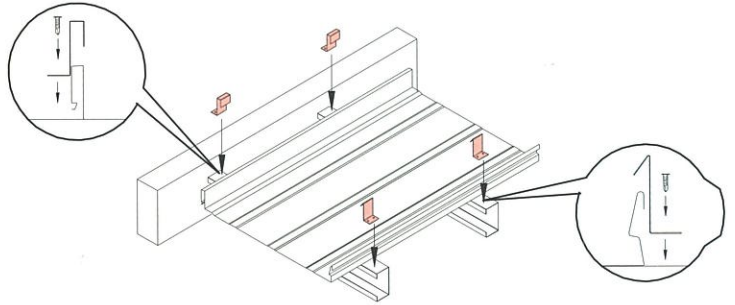


# CLIPSEAM50™ - Installation Methods



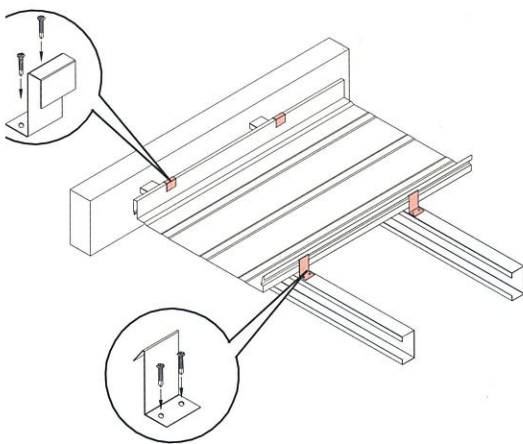
## Step 1

Pull a straight line using a string line. Make sure the string line is in correct alignment to other building elements. Align the first sheet with the string line.



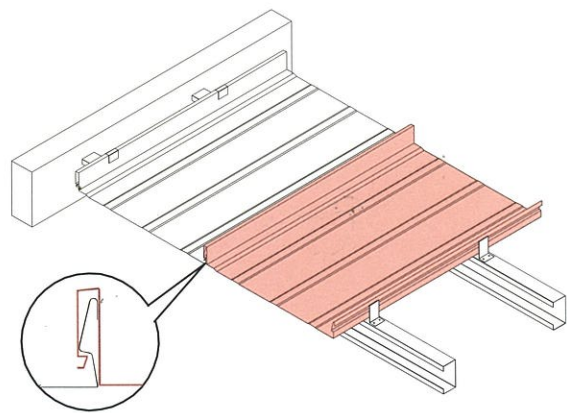
## Step 2

Position the clips as shown on the diagram.



## Step 3

Fasten 2 fasteners to each clip.



## Step 4

Position the second sheet over the first sheet. Make sure that the second sheet snaps in accordance to the diagram as shown. Position and fasten the clips to the following sheet.



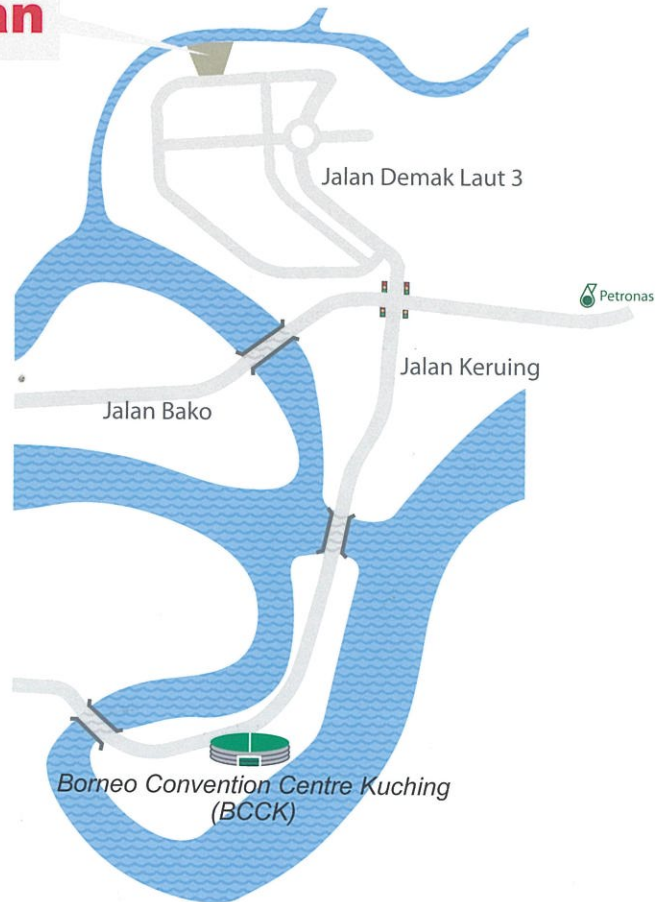
## Job-Site Rollforming Concept

Extra long roofing sheets can now be rolled on-site to the required length without any end-lapping.

As an added benefit, our rollforming machines are containerized and are therefore very convenient for relocation to different areas of any job-site. This eliminates double-handling and makes it easier to move them over long distances.



**Amcan**



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