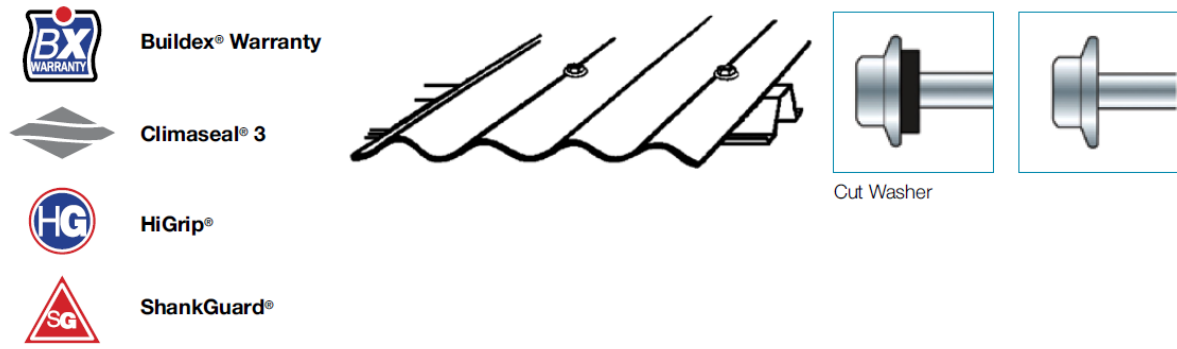
























Metal Tek[®] Roofing & Cladding Screws



For fixing 2.5mm to 6mm roofing & cladding profiles to steel purlins

Hexagon Head TEKS[®] – Climaseal[®] 3 with & without EPDM



Gauge	T.P.I x Length	Washer Type	Pack / Carton Qty	Part Number	Product Description	Product Feature
<i>Valley Fixing</i>						
4.8mm / 10g	16 x 16	Cut Washer	1000 / 4	1A-CT10-1616-HS	CTEKS 10-16x16 HWFS	 
5.5mm / 12g	14 x 20	Cut Washer	500 / 4	1A-CT12-1420-HS	CTEKS 12-14x20 HWFS	 
	14 x 30	Cut Washer	500 / 3	1A-CT12-1430-HS	CTEKS 12-14x30 HWFS	 
<i>Crest Fixing</i>						
5.5mm / 12g	14 x 50	Cut Washer	1000	1A-CT12-1450-HG	CTEKS 12-14x50 HGS	   
	14 x 68	Cut Washer	1000	1A-CT12-1468-HG	CTEKS 12-14x68 HGS	   
	14 x 80	Cut Washer	500	1A-CT12-1480-HG	CTEKS 12-14x80 HGS	   
<i>Stitching</i>	15 x 20	Cut Washer	500 / 3	1A-BT15-1520-HS	CMBT 15-15x20 HWFS	 
<i>Concealed Clip Fixing</i>						
4.8mm / 10g	24 x 22	None	1000 / 4	1A-MT10-2422-WF	MTEKS 10-24x22 WAF	 

Key Fixings of Self-Drilling Screws

	<p>Valley Fixing It is fixing at the lowest end of the sheet profile against the steel purlin/support</p>
	<p>Crest Fixing It is the securing at top of the profile against the steel purlin and away from the path of the waterflow.</p>
	<p>Stitching or Lapping It is the securing of the thin steel sheets together.</p>



Climaseal® 3



Climaseal® 3 is a unique anti-corrosive coating system consisting of 3 distinct layers which combine to give exceptional corrosion protection:

1. A mechanically deposited zinc tin alloy coating giving excellent galvanic protection.
2. A passivation coating to passivate the zinc tin alloy, further inhibiting coating loss.
3. An aluminum filled polyester coating with good all-round corrosion and long-term weathering resistance.

Designed to conform to AS3566 Class 3, real life atmospheric testing has confirmed that the performance of Climaseal® 3 far exceeds the standard!

Benefits of Climaseal® 3

- Minimal risk of coating damage during installation thanks to new and tougher coating formula.
- Better driving performance because of a smoother, harder finish.
- Superior performance in extreme temperatures, developed and tested in Australia for Australasian conditions.
- Effective sealing of roofing sheets and cladding. The black seal remains elastic in extreme temperatures and will not breakdown or allow water entry.

Climaseal® 3 should be used for general external use in mild and moderate industrial, and mild marine applications.



Climaseal® 3 screws are easily recognisable by their silver grey appearance, and the silver stripe found on the label packaging of Buildex® bulk boxes.



For your sign of quality, look for the "BX" mark on the screw head.



Pudong Airport



Buildex® Warranty Periods – Climaseal® 3

	Very Severe Marine	<i>Not Recommended</i>
	Severe Marine	<i>Not Recommended</i>
	Mild and Moderate Marine	7 Years
	Very Severe Industrial	<i>Not Recommended</i>
	Severe Industrial	<i>Not Recommended</i>
	Industrial	20 Years
	Light Industrial / Urban	30 Years
	Mild Urban / Rural	40 Years

For Full Warranty details see inside back cover

ShankGuard®



Scratched Screws Problems

Under roof corrosion of roofing fasteners is the great hidden danger. All protective coatings are subjected to damage during installation. This damage is a scratching by the roof sheeting along the shank of fastener.

Example of the protective coating on the shank being damage during installation allowing the corrosive environment to attack the expose metal of the fastener shank.



Buildex® Solution

ShankGuard® is a revolutionary patented design feature, specially developed by Buildex® to guard and protect fastener shanks from scratching and scouring that can occur when crest fixing metal roofing.

ShankGuard® Mechanism

ShankGuard® actually cuts a slightly larger hole in the roofing profile than the shank diameter, guarding and protecting it against scratching and scouring from the sharp edges of the pierced hole in the metal roof. ShankGuard® allows the fastener shank to remain free of scratches and damage during installation, which in turn keeps the corrosion coating intact and fully functioning.

Now you see the problem...

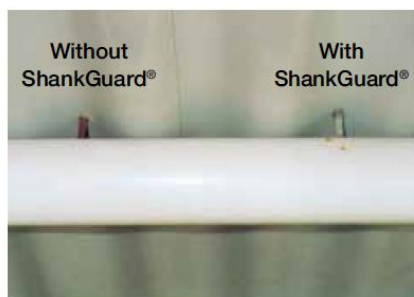


Typical scratching and scouring of fastener shank caused by the sharp edges of the pierced hole during installation

Now you don't



The slightly over-sized hole cut by Shank Guard protects the shank of the fastener. Corrosion resistance of fastener head and shank are now the same.



Comparative tests on the corrosion resistance of fastener shanks carried out in accordance with AS3566 show an increase in corrosion resistance as a result of ShankGuard®.

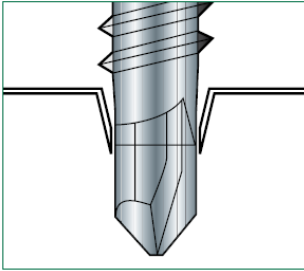
Warning: Beware of ineffective imitations which do not provide the same protection as Buildex® ShankGuard®!

60% More Corrosion Resistance



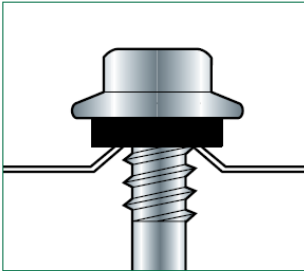


HiGrip® from Buildex® is a revolutionary design in roof fasteners that overcomes the traditional problems with crest fixing metal roofing to steel or timber.



Water Entry due to Indentation

When roofing screws are placed on the top of the roofing profile prior to installation, an indent area sometimes forms around the screw due to the operator forcing down heavily before drilling commencement. When the profile is fixed down with a non-HiGrip® fastener, this indentation remains around fastener, causing water entry.



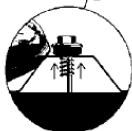
Buildex® Solution

HiGrip® is a secondary thread located at the top of the shank under the washer face. During installation the thread of the HiGrip® is carrying the roof profile in an upward motion while the washer face is carrying the fastener in the downward motion.

The upward pressure at the HiGrip® tends to straighten or reverse the indent made by the initial penetration, therefore preventing the possibility of water entry.

HiGrip® is designed to achieve a number of functions:

- The operator feels the thread bite, a clear signal to prevent over-drilling.
- Restricts 'over-drilling' which leads to ponding or dimpling.
- Prevents sheet moving down shank when roof is walked on.



- Grips sheets to provide 'positive' joint with EPDM washer.
- Extrudes metal around the fastener hole upwards making water ingress more difficult.
- Unthreaded shank prevents profile riding up during fixing.