



Introduction

Another new product from TYMI It's made through roll forming and clipping process, which is different from conventional mild steel production process that need to apply heat welding to seal edges. UNI-INTERLOCKEDTM PPGI or GI definitely is much more cost-efficient.

UNI-INTERLOCKED ™ PPGI PIPE - Coupled with the top lamination of polyester / epoxy color paint on the galvanized iron (both surfaces internally and externally), pleasing appearance and a barrier film to enhance long-term durability. In comparison with mild steel which requires value adding, zinc coating and color coating to match up to our UNI-INTERLOCKED ™ PPGI standard, costs will correspondingly increase and resulted in higher selling price which reduce customer's benefits.

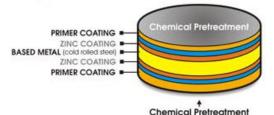
UNI-INTERLOCKED ™ **GI PIPE** - The most economical and effective coated steel product with application of zinc coating that provides proper steel corrosion protection. The zinc coating mass of 275a/m² provides sacrificial protection and gives a high performance for outdoor application.

UNI-INTERLOCKED ™ **PPGI and GI PIPE** - is the most suitable to be applied in greenhouse construction. It has been widely applied by a lot of companies in the market, especially a one of the top option by the farmers in Cameron Highlands. This proved that they had realized the value and benefits UNI-INTERLOCKED ™ PPGI PIPE bring to them.

COATING ELEMENTS

Pre-painted Galvanised Iron

Galvanised Iron



CHROMATED SURFACE
ZINC COATING

COLD ROLLED STEEL
ZINC COATING
CHROMATED SURFACE

Steel Grade: JLS G3302, JLS G3312, ASTM A653(M), EN10142

Yield Stress: 550 Mpa Minimum or 400 Mpa Minimum (thk ≥ 1.2mm)

: Galvanised Iron with Epoxy Paint

Steel Grade: JIS 3302: SGC 570 or SGC 440(thk \ge 1.2mm),AS 1397-1993 Yield Stress: 550 Mpa Minimum or 400 Mpa Minimum (thk \ge 1.2mm)

Coating : Galvanized Iron (GI) or Zincalume

Benefits





Cold-formed Rectangular / Square Hollow Section Properties



Outside Dimension: ± 1mm

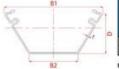
Angular Tolerance : ± 2 * max

Tolerances of length: ± 5mm

Gutter

SHS

Gutter Section Properties



. 1	Gutter Exact Dimension				Weight	Area	Second Moment		Radius of Gyration		Elastic Modulus		
	Section		Top		Thickness			of Area					
						w		1,	I,	74	T _V	2,	Z,
0		mm		-	artara.	kg/m	mm	10° mm*	10° mm4	mm	mm	10° mm¹	101 mm1
	Gutter 230 x 100 x 1.6	100	230	115	1.60	5.49	648.00	733.01	3556.82	34.74	76.53	13.22	32.55
	Gutter 230 x 100 x 2.0	100	230	115	2.00	6.87	810.00	919.49	4400.24	34.80	76.13	16.28	40.43

Outside Dimension: ± 1mm

Angular Tolerance: ± 2 * max

Tolerances of length: ± 5mm

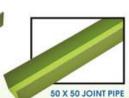
UNI-INTERLOCKED Steel Green House System Products



BASE SUPPORT











VALLEY GUTTER UNI-PLASTIC CLIP





1 INCH CLIP