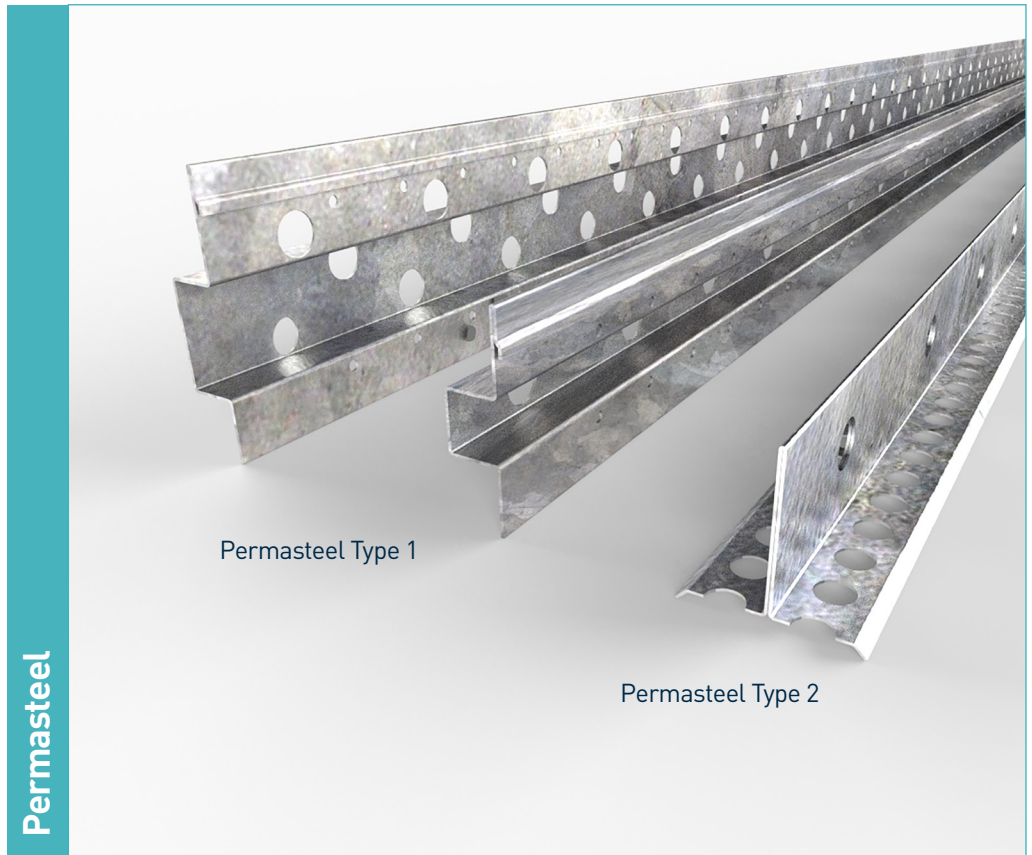


# Permasteel Type 1 and 2

Specification Sheet

Issue 3.1

12/11/2019



## Technical Information

Permasteel is a flexible 'Leave-in-Place' formwork system for concrete floors and is much easier and quicker to use than traditional concrete screed rail methods. Supplied in 3m lengths, Type 1 rails have 24mm diameter holes at 100mm centres and Type 2 rails have 24mm diameter holes at 150mm centres to accommodate up to 20mm diameter round dowels. Permasteel Type 1 and 2 is available in 4 different heights to suit slab depths ranging from 50mm to 200mm and above.

Permasteel rails are easy to handle and transport as the weight is low and they are delivered in bundles that can be stacked. Cutting the rails with a saw is simple.

**Type 1** rails are available in 115mm high for slab depths from 120-160mm and 155mm high for slab depths from 165-200mm and above. Each 3m long rail is supplied with 3N<sup>o</sup> footplates for setting the rail into place.

**Type 2** rails are available in 40mm high for slab depths from 50-75mm and 70mm high for slab depths from 80-115mm and require no other components for installation.

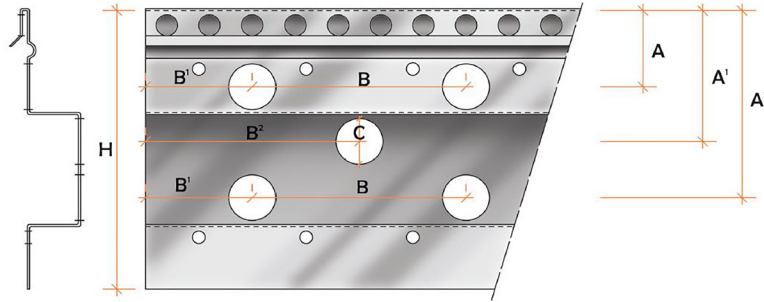
# Permasteel Type 1 and 2

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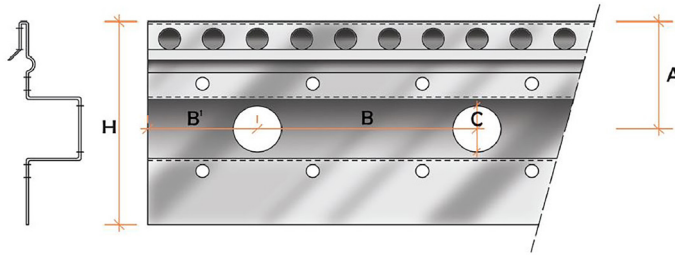
## Technical Data

Permasteel Type 1 & 2 is manufactured from galvanised steel - EN 10346 : 2015 Dx51D+Z140

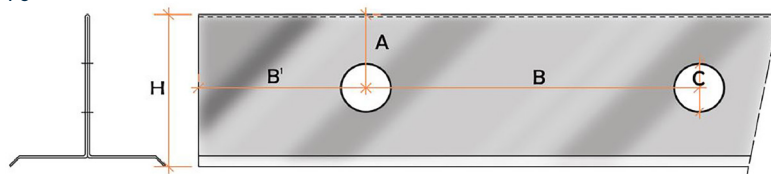
Type 1 Permasteel 155



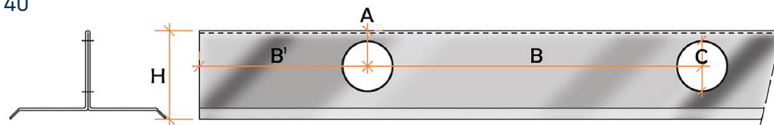
Type 1 Permasteel 115



Type 2 Permasteel 70



Type 2 Permasteel 40



TYPE	A	A1	A2	B	B1	B2	C	C1	D	H	WEIGHT
(1) 155	37.5	64.0mm	91.0mm	100.0mm	50.0mm	100.0mm	24.0mm	-	-	135.0mm	5.68kg
(1) 115	50.0mm	-	-	100.0mm	50.0mm	-	24.0mm	-	-	95.0mm	4.272kg
(2) 70	31.0mm	-	-	150.0mm	75.0mm	-	24.0mm	16.0mm	25.0mm	70.0mm	4.200kg
(2) 40	22.0mm	-	-	150.0mm	75.0mm	-	24.0mm	16.0mm	25.0mm	40.0mm	2.700kg

## manufacturing tolerances

Length ±2.0mm

Height ±1mm

Straightness ±0.5mm/600mm

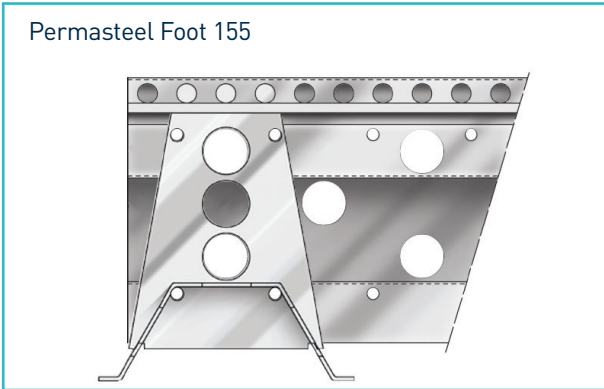
# Permasteel Type 1 and 2

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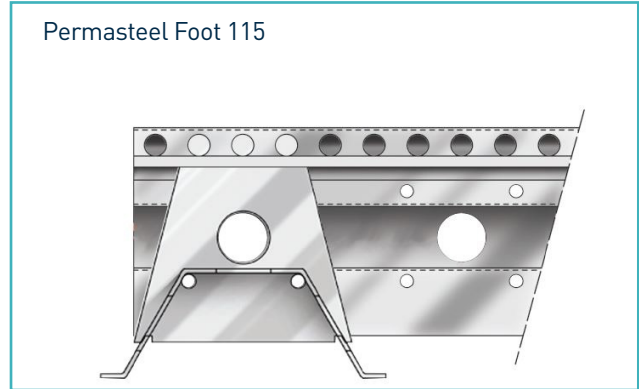
## Permasteel Footplates

115mm and 155mm rails; 3 or 4 feet required per 3m rail length depending on the tolerance of flatness and depth of the floor required.

Permasteel Foot 155

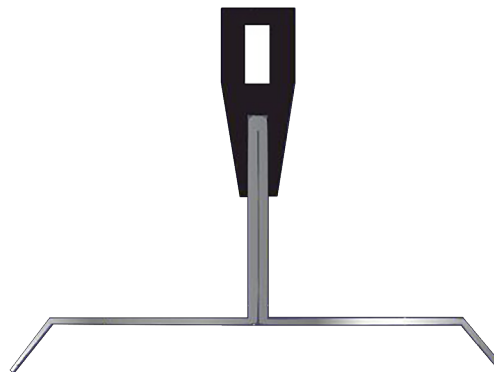


Permasteel Foot 115



### Sealant Void Former

A plastic Void Former is available which attaches to the top edge of any of the sizes of Permasteel type 2 rail. Care should be taken so that the Sealant Void Former is not damaged when using vibratory or rotating concrete levelling and screeding equipment.



Type 2 Permasteel 40mm and 70mm