

## Permasteel Screed Rails

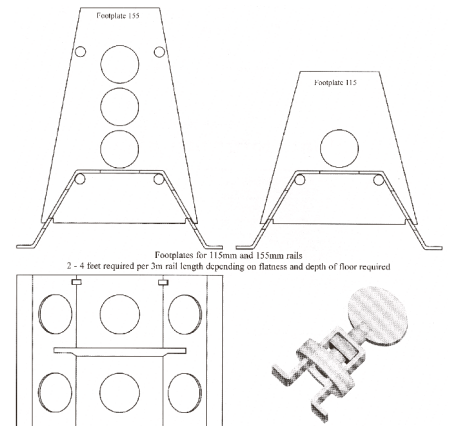
Permasteel is a flexible "Leave in Place" formwork system for concrete floors and is much easier and quicker to use than traditional concrete screed rail methods. Type 1 rails have 24mm diameter holes at 100mm centres and Type 2 rails have 24mm diameter holes at 150mm centres to accommodate up to 20mm diameter round dowels. Permasteel is available in 4 different heights for slab depths ranging from 50mm to 300mm.

Type 1 rails are available in 115mm high for slab depths from 120mm to 160mm and 155mm high for slab depths from 165mm to 200mm plus. Each 3m long rail is supplied with 3 No. footplates for setting the rail into place.

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

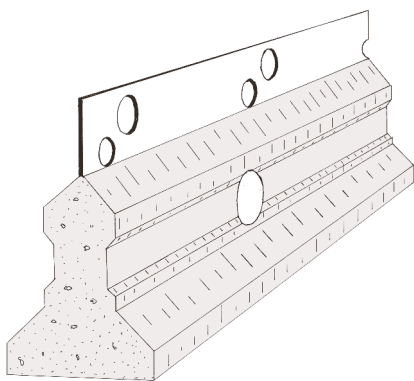
### Permasteel Components

Type 1 Permasteel components include a pre-welded footplate used when setting the rail on concrete dabs and the Pingrip fixing used with pins driven into the subbase as an alternative installation method for Permasteel 115mm and Permasteel 155mm rails when setting on concrete dabs is impractical. The Pin grip can also be used for installation of Type 2 40mm and 70mm Permasteel rails for metal deck or screeds etc.



Technical Daa										
Type	A	A1	A2	B	B1	B2	C	C1	D	H
Psteel 155	37.5mm	64mm	91mm	100mm	50mm	100mm	24mm	-	-	135mm
Psteel 115	50mm	-	-	100mm	50mm	-	24mm	-	-	95mm
Psteel 70	31mm	-	-	150mm	75mm	-	24mm	16mm	25mm	70mm
Psteel 40	22mm	-	-	150mm	75mm	-	24mm	16mm	25mm	40mm

## Concrete Screed Rails

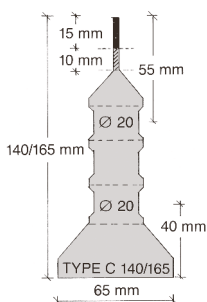


Concrete Sreed Rail TYPE C is a combination of concrete and galvanised steel. The use of screed rails makes it easier to achieve a superflat surface, since the permanent rails provide a more stable base from which to screed. SUPERFLAT and, in general Category 1 floors should be constructed in the long strip method, as recommended in TR34 and this rail has been used succesfully throughout Europe on such projects.

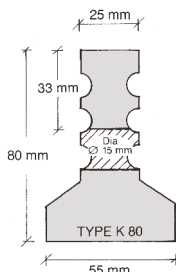
The unique design of type C with its 1.5 mm top profile of galvanised steel provides a very straight and fully controlled hairline crack. The profile of this rail along with the holes in the metal strip tie the rail firmly to the slab. Test shows the strongest possible joint between the bays.

### Applications

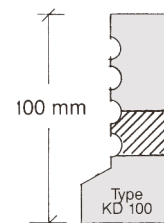
- Compressive strength 50 N/mM2.
- Max. vibrator/bay width when using C-65 is 8 metre.
- Max. vibrator/bay width when using C-90 + C-115 is 10 metre.
- Max. vibrator/bay width when using C-140 + C-165 is 5 metre.



Type C	
Height	Length
65mm	3.9m
90mm	3.9m
115mm	3.9m
140mm	3.9m
165mm	3.9m



Type K	
Height	Length
60mm	3.9m
80mm	3.9m
100mm	3.9m
125mm	3.9m
150mm	3.9m



Type KH	
Height	Length
100mm	3.9m