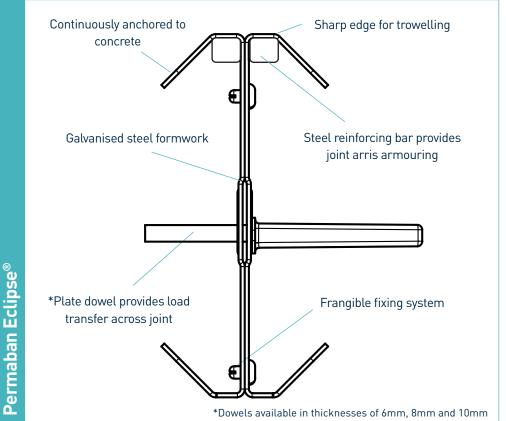
www.rcrflooringproducts.com RCR Flooring Products Limited Mill Close, Lee Mill Industrial Estate, Ivybridge, Devon, PL21 9GL t: +44 1752 895288 | f: +44 1752 395800 | e: info@rcrflooringproducts.com



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ISO 45001 Occupational Health and Safe Management CERTIFIED

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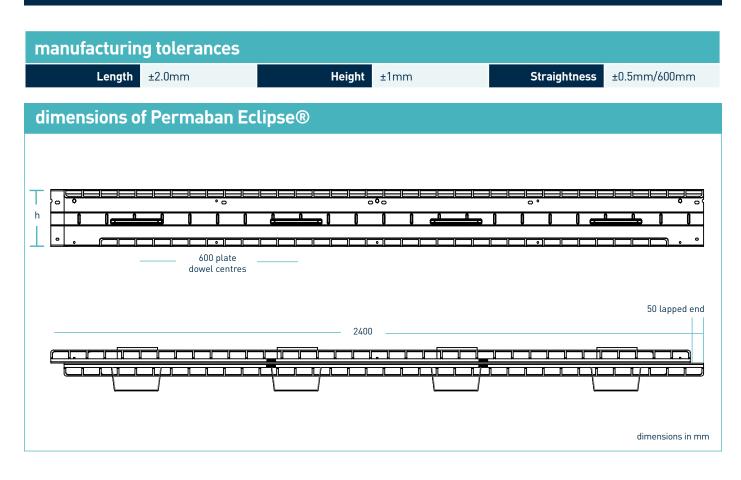




Specification Sheet Issue 3.9

01/09/2024

Permaban Eclipse®



dimensions and weight of Permaban Eclipse®								
Nominal Slab Depth (mm)	Joint Height, h (mm)	Dowel Size (mm)	Dowel Centres (mm)	Length (mm)	Single Joint Weight (kg)	Number Per Bundle	Bundle Weight (kg)	
150	125	151 x 120 x 8	600	2400	17.5	75	1437.5	
175	150				19.5	65	1392.5	
200	175				21.5	52	1243	
225	200				23.5	52	1347	
250	225				25.5	39	1119.5	

Typical height and length values shown only. Weight values shown are based on Permaban Eclipse® including TD8 dowels and are approximate.

materials

Component	Material					
Joint arris armouring	EN 10346:2015 Dx51D+Z & EN 10025-2:2004 S275JR					
Plate dowel	EN 10025-2:2004 S275JR					
Plate dowel sleeve	HDPP					



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Permaban Eclipse®

Specification Sheet Issue 3.9 01/09/20234

theoretical calculated ultimate loads at failure of dowel or concrete **Unreinforced Slab** (For typical slabs, 40N/mm2 concrete and 20mm joint opening) Bending (kN/m) Slab Depth (mm) **Dowel Type** Bursting (kN/m) TD6 30.2 53.0 TD8 30.2 86.2 TD10 30.2 123.0 TD6 53.0 38.7 TD8 38.7 86.2 TD10 38.7 123.0 TD6 48.3 53.0 TD8 48.3 86.2 **TD10** 48.3 123.0 TD6 58.8 53.0 86.2 TD8 58.8 TD10 58.8 123.0 TD6 70.3 53.0 TD8 70.3 86.2 TD10 70.3 123.0 TD6 82.9 53.0 86.2 TD8 82.9 TD10 82.9 123.0 TD6 84.2 53.0 TD8 84.2 86.2 **TD10** 84.2 123.0 TD6 53.0 79.5 TD8 79.5 86.2 TD10 79.5 123.0





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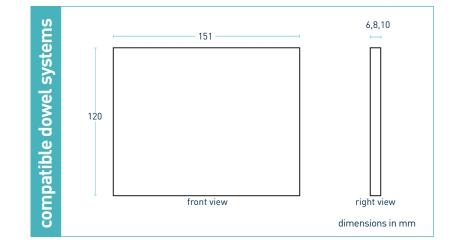
Permaban Eclipse®

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Ultimate load (kN/m)

This table shows the load at failure in bursting (failure of the concrete) and bending (failure of the dowel) for a joint opening of 20mm - larger joint openings can be accommodated. The ultimate load has been calculated in accordance with TR34 4th Edition. Dowel positions taken at mid depth of slab. For more detailed analysis please contact RCR Flooring Products Ltd.

*All design calculations should be verified by a suitably qualified structual engineer.









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