Curved Enduroplank
Specifications

It's easy to construct an attractive curved boardwalk from recycled-plastic Enduroplank™ decking thanks to Replas' clever tapered planks.
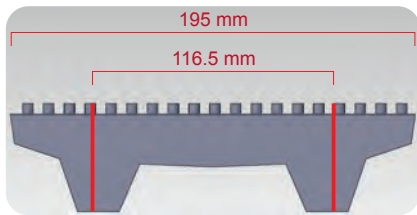
The tapered planks come with a grooved non-slip finish and are available in pre-cut lengths up to 3.6 metres which can be cut to size. Fine tuning around curves can be achieved by adjusting the 5 mm gaps between the planks. Straight planks can be interspersed between the curves to change the diameter of the boardwalk.

The table below demonstrates the curves that can be achieved. It also allows designers to calculate the correct number of tapered planks required for their boardwalk.

Visit our website to view a video which demonstrates how to cut the planks. For further information about curved boardwalks made from weather proof recycled-plastic Enduroplank™, please contact your local Replas distributor.
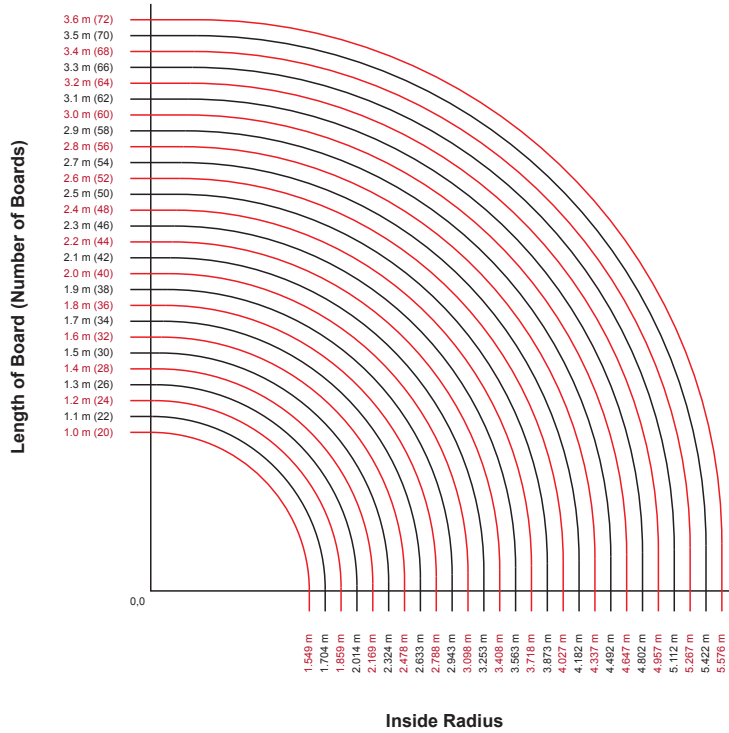
The following calculations are based on a plank being ripped on both sides from 195 mm down to 116.5 with a 5 mm gap between the boards.

Board length (metres)	Angle of cut (degrees)	Radius inner (metres)	Radius outer (metres)	Number of boards
1	2.25	1.549	2.549	20
1.1	2.04	1.704	2.804	22
1.2	1.87	1.859	3.059	24
1.3	1.73	2.014	3.314	26
1.4	1.61	2.169	3.569	28
1.5	1.5	2.324	3.824	30
1.6	1.41	2.478	4.078	32
1.7	1.32	2.633	4.333	34
1.8	1.25	2.788	4.588	36
1.9	1.18	2.943	4.843	38
2	1.12	3.098	5.098	40
2.1	1.07	3.253	5.353	42
2.2	1.02	3.408	5.608	44
2.3	0.98	3.563	5.863	46
2.4	0.94	3.718	6.118	48
2.5	0.9	3.873	6.373	50
2.6	0.86	4.042	6.642	52
2.7	0.83	4.182	6.882	54
2.8	0.8	4.337	7.137	56
2.9	0.78	4.492	7.392	58
3	0.75	4.647	7.647	60
3.1	0.73	4.802	7.902	62
3.2	0.7	4.957	8.157	64
3.3	0.68	5.112	8.412	66
3.4	0.66	5.267	8.667	68
3.5	0.64	5.422	8.922	70
3.6	0.62	5.576	9.176	72

Visual Graph of Inside Radius

Length of Board (Number of Boards)

- 3.6 m (72)
- 3.5 m (70)
- 3.4 m (68)
- 3.3 m (66)
- 3.2 m (64)
- 3.1 m (62)
- 3.0 m (60)
- 2.9 m (58)
- 2.8 m (56)
- 2.7 m (54)
- 2.6 m (52)
- 2.5 m (50)
- 2.4 m (48)
- 2.3 m (46)
- 2.2 m (44)
- 2.1 m (42)
- 2.0 m (40)
- 1.9 m (38)
- 1.8 m (36)
- 1.7 m (34)
- 1.6 m (32)
- 1.5 m (30)
- 1.4 m (28)
- 1.3 m (26)
- 1.2 m (24)
- 1.1 m (22)
- 1.0 m (20)

0,0

Inside Radius values: 1.549 m, 1.704 m, 1.859 m, 2.014 m, 2.169 m, 2.324 m, 2.478 m, 2.633 m, 2.788 m, 2.943 m, 3.098 m, 3.253 m, 3.408 m, 3.563 m, 3.718 m, 3.873 m, 4.027 m, 4.182 m, 4.337 m, 4.492 m, 4.647 m, 4.802 m, 4.957 m, 5.112 m, 5.267 m, 5.422 m, 5.576 m

Inside Radius

Example of a finished curve

1000 mm

1549 mm

90.00°

5 mm

4.50°