
PARKLEX FACADE PANEL BENDING

Parklex Facade panels are flat and rigid, however, they may be bent up to certain curvature radii.

The curvature radius will depend on the thickness of the material; the thinner the material, the tighter the curves, in other words, the smaller the radius.

Curvature radius	Recommended thickness	Distance between battens
< 1.00 m	Panel may not be bent	--
1.00 m – 5.00 m	3 mm	≤ 150 mm
5.00 m – 10.00 m	6 mm	≤ 300 mm
10.00 m – 20.00 m	8 mm	≤ 400 mm
> 20.00 m	10 mm	≤ 450 mm

As seen in the table, when installing the panels in a curved structure, the distance between battens must be shortened. The distance between the fixing centre and the edge must also be decreased. This distance must be between 15 and 25mm.

3mm and 6mm thick panels should not be used, except under exceptional circumstances.

This table is valid only for bending in the direction of the grain, and for a Standard 2.44 x 1.22mm panel.

The panel must be bent in the direction of the grain and the only fixing system that may be used is an exposed mechanical system, using screws or rivets.