

Swisspearl Plank and Swisspearl Panel

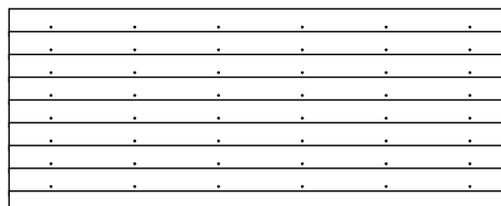
Maximum Windloads (without safety margins)

Swisspearl Plank 8x180x3600mm

Horizontally installed with 30mm overlapping

Installed onto vertical timber battens 600mm o.c.

Visible facade screws 600mm o.c. installed no more than 20mm from bottom and side edges of the plank



| Plank size | Framing | Framing spacing | UltimateLoad | Max deflection |
|----------------------------|-----------------|-----------------|----------------|----------------|
| 8x180x3600 30mm overlap | 25x100mm timber | 600mm o.c | 6.7 kN* | 21mm |

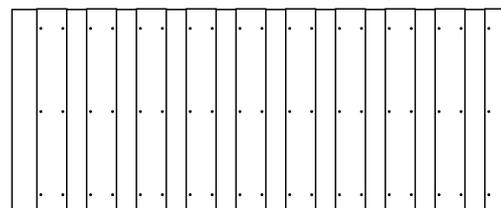
Swisspearl Plank 8x180x3600mm

Vertically installed with 30mm overlapping

Installed onto horizontal timber battens 600mm o.c.

Swisspearl 38 Wood Screw used to blind fasten the lower plank

Visible facade screws installed no more than 20mm from bottom and side edges of the upper plank



| Plank size | Framing | Framing spacing | Ultimate Load | Max deflection |
|----------------------------|-----------------|-----------------|-----------------|----------------|
| 8x180x3600 30mm overlap | 25x100mm timber | 600mm o.c | 6.99 kN* | 18.8mm |

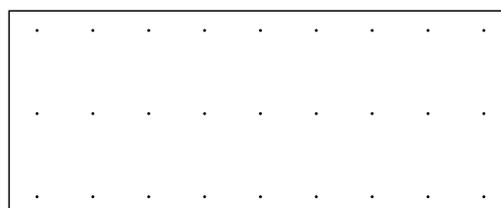
Swisspearl Panel 8x1220x3050mm

Vertically installed with no overlapping

Installed onto vertical timber battens 600mm o.c.

Visible facade screws are vertically spaced at 400mm o.c.

Visible facade screws installed no more than 50mm from top and bottom, and 20mm from side edges of the panel



| Plank size | Framing | Framing spacing | Ultimate Load | Max deflection |
|-------------|-----------------|-----------------|-----------------|----------------|
| 8x1220x3600 | 25x100mm timber | 600mm o.c | 3.35 kN* | 8mm |

Test panel construction (1220x2440mm) consisting of the following:

Framing: 45x95mm Timber Framing (Density minimum 300 kg/m³)

Windstopper: 12mm OSB fastened into the framing by 38mm Chipboard screws O.C 150mm around the perimeter and 300mm in the field

Timbre battens: Pressure-treated 25x100mm timber at 600mm o.c for a ventilated area. And aluminium ventilated profiles in the bottom and top.

Swisspearl Plank and Swisspearl Panel fastened to timber battens using the “visible fastening” method. Using a Swisspearl Facade Wood Screw 4.5x41mm stainless steel A2.

***All values stated above are without any added safety margins. Consult with the building engineer before using values** Please refer to the Swisspearl Plank and Swisspearl Panel installation manual for complete installation instructions.