



- 1** Lay main joists perpendicular to direction decking is to be laid, spaced at:
 - First and last joist spaces = 250mm centres
 - General joist spacing = 300mm-400mm centres (as specified by decking manufacturer)
 - At boards joins = 30mm gap between joists
- 2** Connect main joist lengths together end-on-end using DS-SC straight connector brackets and DS-SSJS 13mm screws provided
 - Leave a 4mm expansion gap between all joist profiles
- 3** Lay perimeter joists perpendicular to the main joists at the ends, and connect lengths together using DS-SC straight connector brackets and DS-SSJS 13mm screws provided.
 - Leave a 4mm expansion gap between all perimeter joists
- 4** Connect main joists to perimeter joists using DS-AC angled connector brackets and DS-SSJS 13mm screws provided, ensuring correct spacing between main joists is maintained.
- 5** Insert 250mm joist spacer profile and 400mm joist spacer profiles as required, to ensure joist spacing is adequately braced. Connect to the main joists using DS-AC angled connector brackets and DS-SSJS 13mm screws provided.
- 6** Set the substructure onto the adjustable support cradles. Turn the adjuster ring to level up the substructure.
 - Cradles must be spaced at 600mm max
 - All joins in the main joists must be supported by a cradle
- 7** Connect perimeter profile to outside of the perimeter joists where required, using DS-SSJS 13mm screws provided. Perimeter profile is required where:
 - The deck cannot extend beyond the edge of the substructure sufficiently to cover the cradles
 - A connection is needed for downturns, upturns, or steps in the decking (See step 8)
- 8** If downturns are required, cut vertical profiles to required length, and connect to perimeter profile using DS-VC vertical connector brackets and DS-SSJS 13mm screws provided.
- 9** Connect the lower end of the vertical profiles into the wall, or securely placed concrete blocks/padstones, using DS-VC vertical connector brackets and DS-SSJS 13mm screws provided.
 - To create upturns in the deck substructure, connect the perimeter profile the other way up, and follow step 8
 - To create steps in the deck area, line up the differing level deck areas, then create a downturn from the higher level deck and connect onto the lower level deck by using the perimeter profile upside down.
- 10** If wind-load resistance is required, install one of the following options as appropriate:
 - a Connect DS-BB ballast brackets to substructure using DS-SSJS 13mm screws provided, and hang suitable concrete slab as shown
 - b Connect DS-GA ground anchors to substructure using DS-SSJS 13mm screws provided. Fix to the ground using suitable fastener.
- 11** Install decking in accordance with decking manufacturer's guidance, using Arbordeck DS-SSDS decking screw to fix the decking to the substructure.