Stramit Condeck HP® decking

**Stramit Condeck HP®** decking is a cold rolled formed section manufactured from high strength galvanised steel in thicknesses of 0.75mm, 0.90mm and 1.00mm.

**Stramit Condeck HP®** decking is a permanent structural formwork system. It can be used for all suspended slab construction for domestic commercial and industrial applications.

- Positive reinforcement for concrete slabs
- Reduced temporary propping
- Easier and faster construction
- A unique rib geometry that allows for suspended ceiling systems or services

**Ordering**

- Cut to length should allow ±5mm for manufacturing tolerances
- Length ordered should be site measurements and not plan dimensions
- Remember to add at least 100mm to required length to allow for 50mm bearing each end
- To determine number of sheets, divide the width of area to be covered by 300mm

**Installation**

1. **Material to site**
   - **Stramit Condeck HP®** decking must remain dry
   - Support clear of ground with a fall for drainage
   - If sheets become wet, dry by hand, store under cover and away from condensation
   - If packed in long bundles, sling with adequate supports onto supporting framework

2. **Loose laying**
   - Dampcourse is to be laid over all brick or masonry support surfaces
   - Loose lay from a safe working side
   - Hinge into position at each side lap
   - Ensure a minimum end bearing of 50mm
   - When end joining **Stramit Condeck HP®** decking sheets, ensure join is over a structural support

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**Diagrams**

1. **Typical join detail**
2. **Typical end detail**
2a. **2a**
2b. **2b**

**300 Cover (±1mm)**

**50mm min. end bearing (rial)**

**55mm**

**54mm**

**27mm**

**Dampcourse**

**Bituminous foam or similar**

**Ordinary concrete or similar**
3. Temporary propping
- Prop at specified centres
- In the shaded area of the Stramit Condeck HP® decking propping tables, where the deck is to be left exposed underneath, place 450mm wide compressible fibre sheets or plywood between timber bearer and deck to reduce effect of propping ‘lines’
- Do not prop too high – props should not protrude above the supporting structure
- Bed props adequately to take wet concrete loading
- More stable propping frames are easier to use than individual props

4. Fixing
- End fix sheets where required
- Cut, notch and attach Stramit® Edgeforma
- Cut, position and place reinforcing mesh on bar chairs to ensure specified (minimum 25mm) concrete cover

5. Concrete
- Decking panels should be cleaned prior to placing concrete
- Pump, bucket or barrow concrete into position
- Do not allow concrete to heap
- Consolidate with vibrator and ensure concrete is packed up and around top rib
- Screed by hand or with helicopter
- Temporary props must be left in place until the concrete has reached 75% of its 28 day characteristic strength

For information regarding stairways, cantilever balconies, openings etc., refer to your local Stramit office.

6. Suspended Ceilings
Stramit Condeck HP® decking has provision for suspended ceiling installation or support for services.

Simply insert the 2 part hanger bracket after the concrete has set.