

PRODUCT SPECIFICATION - CONDECK® HP STRUCTURAL STEEL DECK

The concrete formwork shall be **CONDECK® HP** as produced by **LCP Building Products Pte. Ltd.**, with 55mm high ribs spaced at 300mm centres. The effective cover width for the **CONDECK® HP** sheets shall be 300mm. Minimum bearing requirements on supports for the **CONDECK® HP** sheets shall be in accordance to BS 5950: Part 4.

The material used for the **CONDECK® HP** sheets shall bemm BMT, galvanised high tensile steel with minimum yield strength of 550MPa, and coated with hot-dipped galvanised zinc of minimum 275 grams per square metre.

Individual **CONDECK® HP** sheets shall be placed in accordance with the manufacturer's recommendations. Prior to concrete pouring and foot traffic loads, the **CONDECK® HP** sheets shall be propped, if required, in accordance with the manufacturer's propping table. Props are not to be removed until authorized by a qualified engineer. Care must be exercised to avoid heaping of wet concrete on to the **CONDECK® HP** sheets during concreting works.

Reinforcement and concrete placement shall be as directed by the engineer.

The **CONDECK® HP** steel decking can be utilized as both permanent formwork and as bottom reinforcing steel in composite slab design. The **CONDECK® HP** structural steel decking complies with the following British Standards:

- BS 5950: Part 4: 1994 (Composite slab design)
- BS 5950: Part 6: 1995 (Profiled sheeting design)
- BS 5950: Part 8: 1990 (Fire resistance design)
- BS 5950: Part 3: Section 3.1: 1990 (Composite beams)
- BS 8110: Part 1: 1997 (Concrete structure design)
- BS 8110: Part 2: 1985 (Concrete structure design, special circumstances)