

PRODUCT SPECIFICATION – **LCP FORMDEK™ STRUCTURAL STEEL FORMWORK**

The concrete formwork shall be **LCP FORMDEK™** as produced by **LCP Building Products Pte. Ltd.**, with 75mm high ribs spaced at 300mm centres. The effective cover width for the **LCP FORMDEK™** sheets shall be 600mm. Minimum bearing requirements on supports for the **LCP FORMDEK™** sheets shall be in accordance to BS 5950: Part 4.

The material used for the **LCP FORMDEK™** sheets shall bemm BMT, galvanized zinc steel with standard zinc coating of Z275 (i.e. 275 grams per square metre). For sheets with thickness of 0.75mm, 0.9mm and 1.0mm BMT, the minimum yield stress of the base metal is 550MPa. For steel thickness of 1.2mm and 1.5mm BMT, the minimum yield stress of the base metal is 300MPa.

Individual **LCP FORMDEK™** sheets shall be placed in accordance with the manufacturer's recommendations. Immediately after the **LCP FORMDEK™** sheets are laid, the side laps are to be crimped with a crimping tool at every 300mm centres before the wet concrete is poured on to the deck. End closure or edgeforma are to be securely fastened to the ends of the **LCP FORMDEK™** sheets prior to commencement of concreting works. Prior to concrete pouring and foot traffic loads, the **LCP FORMDEK™** 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 **LCP FORMDEK™** sheets during concreting works.

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

The **LCP FORMDEK™** steel decking are to be used as only a permanent formwork to support the wet concrete, reinforcement bars and temporary construction loads during concreting works. The **LCP FORMDEK™** metal decking is not to be utilized as bottom steel in composite slab design. Where fire rating is required to the slab, then conventional reinforced concrete design to the relevant codes of practice should be adopted.