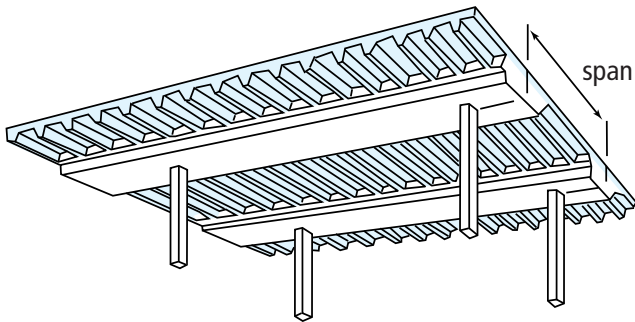


Ribbed slabs for use with 2400 mm wide band beams only

(One-way joists with wide beams)



As with solid slab arrangements, the band beam has a relatively wide, shallow cross section which reduces the overall depth of floor while permitting longer spans.

Used in car parks, offices, etc. where spans in one direction are predominant and live loads are relatively light. Slab spans up to 10 m (centreline support to centreline support) with beam spans up to 16 m are economic.

Charts and data assume wide beam support, minimum 100 or 180 mm downstand, and bespoke moulds. For beam thicknesses refer to pp 64, 71, 110 or 111). Thicknesses are typically governed by deflection and, to suit formwork, by restricting the downstands of beams.

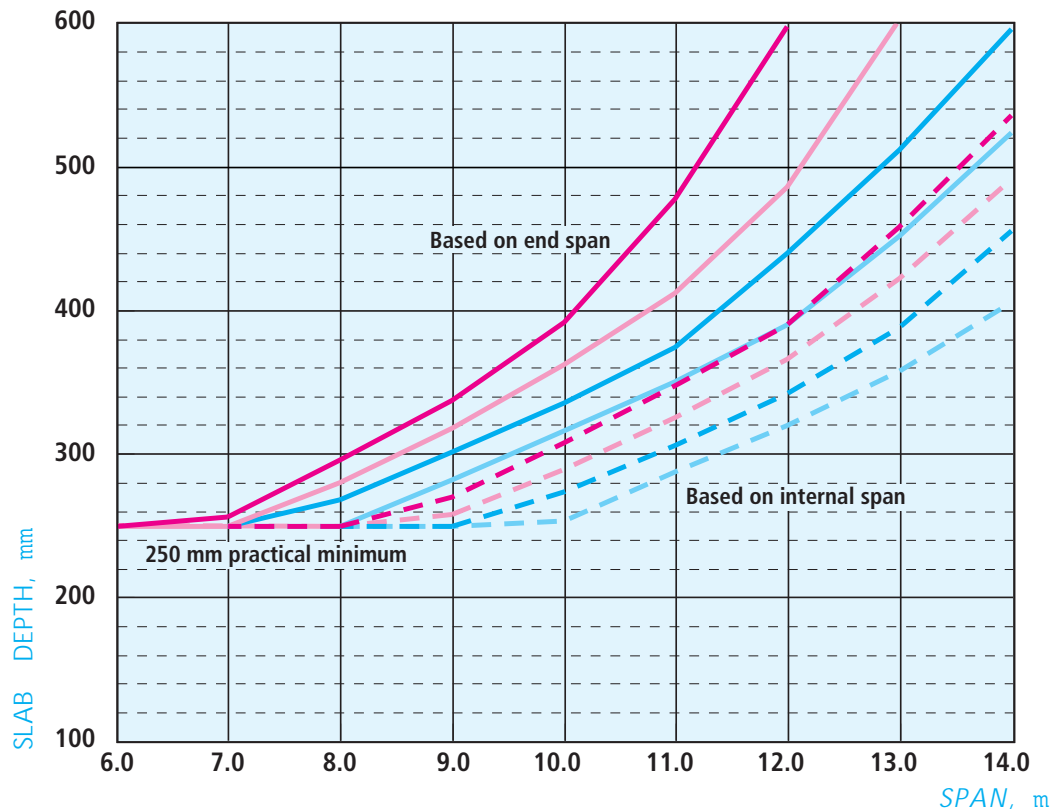
ADVANTAGES

- Medium to long spans
- Lightweight
- Holes in topping easily accommodated (but avoid beams)
- Large holes can be accommodated

DISADVANTAGES

- Higher formwork costs than for other slab systems
- Slightly greater floor heights
- Slower

SPAN:DEPTH CHART



KEY Characteristic imposed load (IL)

— = 2.5 kN/m² — = 5.0 kN/m² — = 7.5 kN/m² — = 10.0 kN/m²