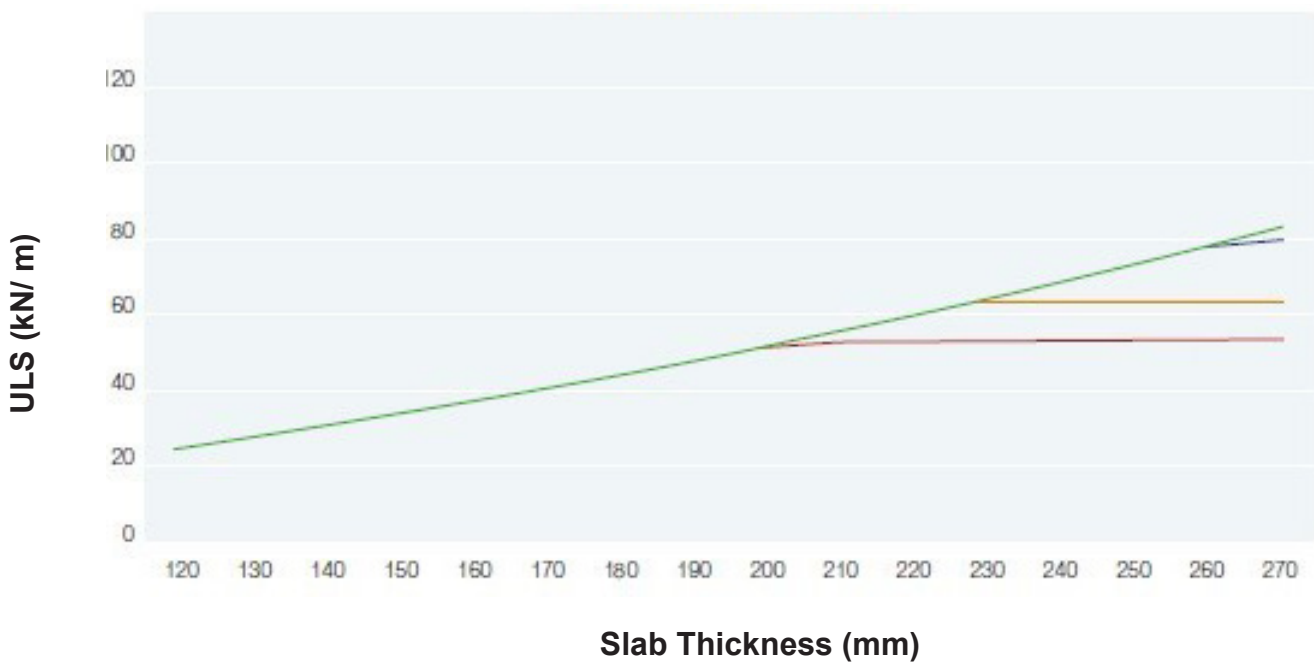


## 560mm Centres

For slab thicknesses up to 200mm with concrete grade C32/40 and joint openings of a maximum of 20mm, the ultimate limit state (ULS) load transfer capacity at the joint is the same for 6mm, 8mm and 12mm dowels since the concrete burst strength is the limiting factor.

**ULS Load Transfer (kN/m) by Slab Thickness (mm) based on C32/40 concrete (560mm dowel centres)**



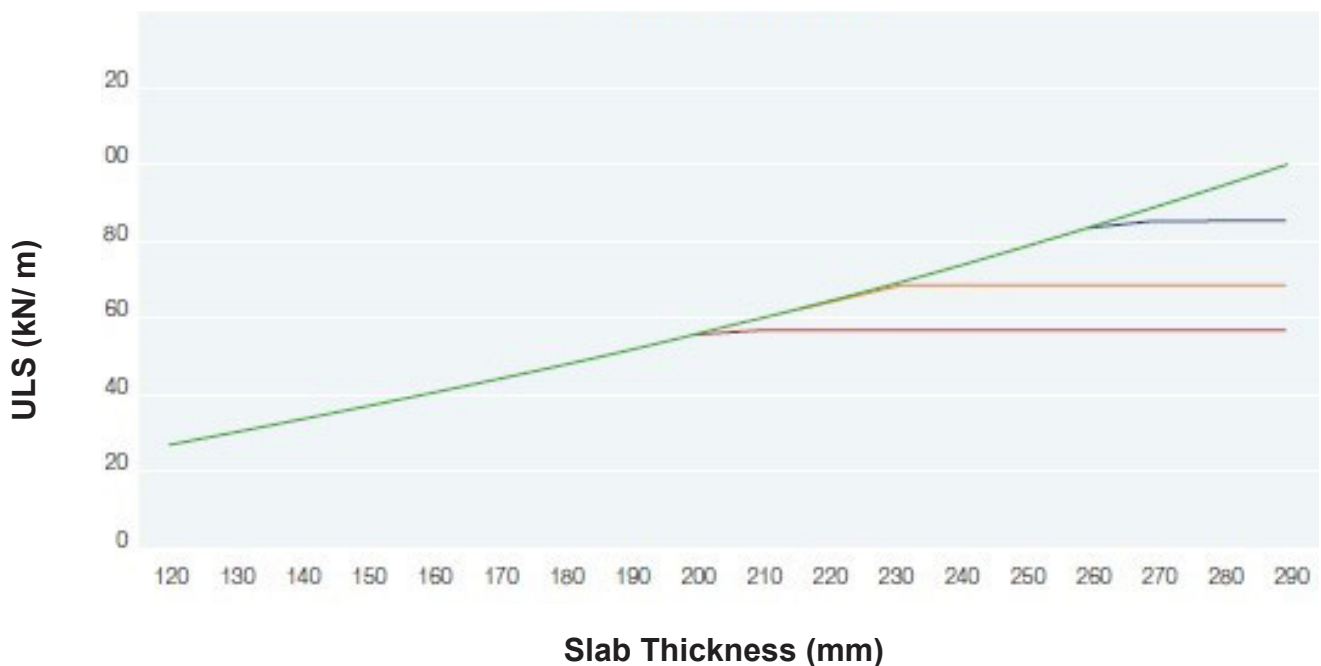
- C32/40 with 6mm dowel at 20mm joint opening
- C32/40 with 6mm dowel at 15mm joint opening
- C32/40 with 6mm dowel at 10mm joint opening
- C32/40 with 8mm or 12mm dowel up to 20mm

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## 600mm Centres

For slab thicknesses up to 200mm with concrete grade C32/40 and joint openings of a maximum of 20mm, the ultimate limit state (ULS) load transfer capacity at the joint is the same for 6mm, 8mm and 12mm dowels since the concrete burst strength is the limiting factor.

### ULS Load Transfer (kN/m) by Slab Thickness (mm) based on C32/40 concrete (600mm dowel centres)

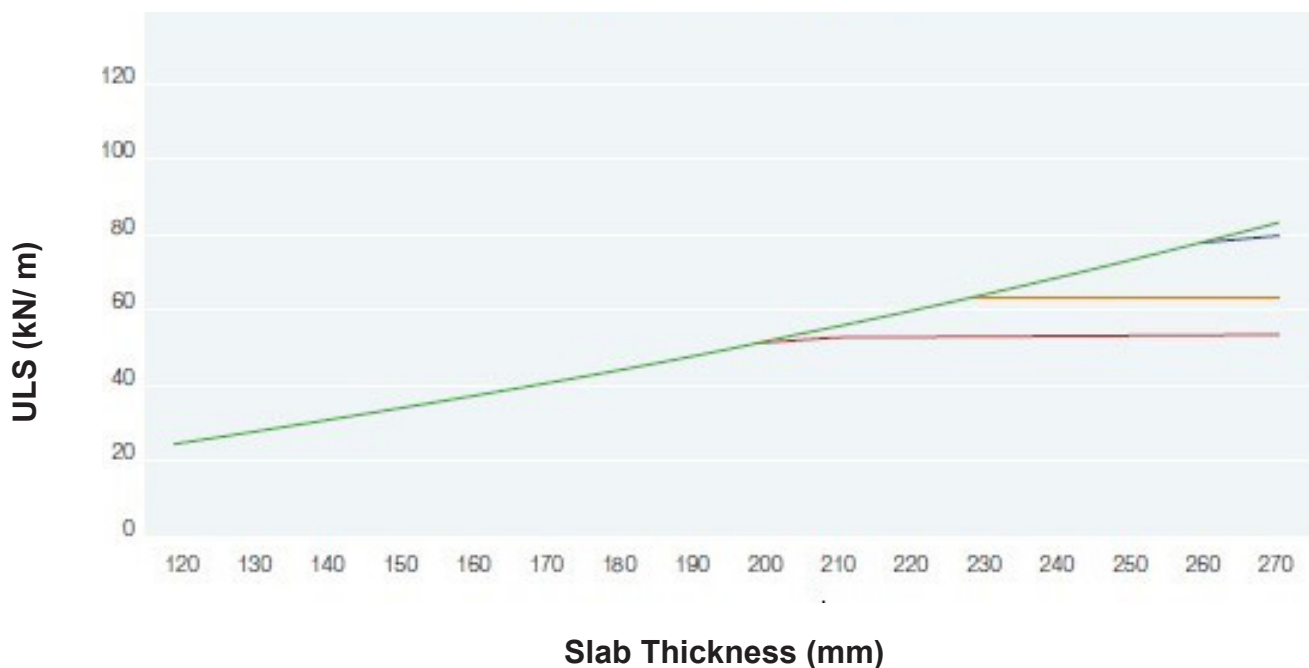


- C32/40 with 6mm dowel at 20mm joint opening
- C32/40 with 6mm dowel at 15mm joint opening
- C32/40 with 6mm dowel at 10mm joint opening
- C32/40 with 8mm or 12mm dowel up to 20mm

## 650mm Centres

For slab thicknesses up to 200mm with concrete grade C32/40 and joint openings of a maximum of 20mm, the ultimate limit state (ULS) load transfer capacity at the joint is the same for 6mm, 8mm and 12mm dowels since the concrete burst strength is the limiting factor.

### ULS Load Transfer (kN/m) by Slab Thickness (mm) based on C32/40 concrete (650mm dowel centres)



- C32/40 with 6mm dowel at 20mm joint opening
- C32/40 with 6mm dowel at 15mm joint opening
- C32/40 with 6mm dowel at 10mm joint opening
- C32/40 with 8mm or 12mm dowel up to 20mm