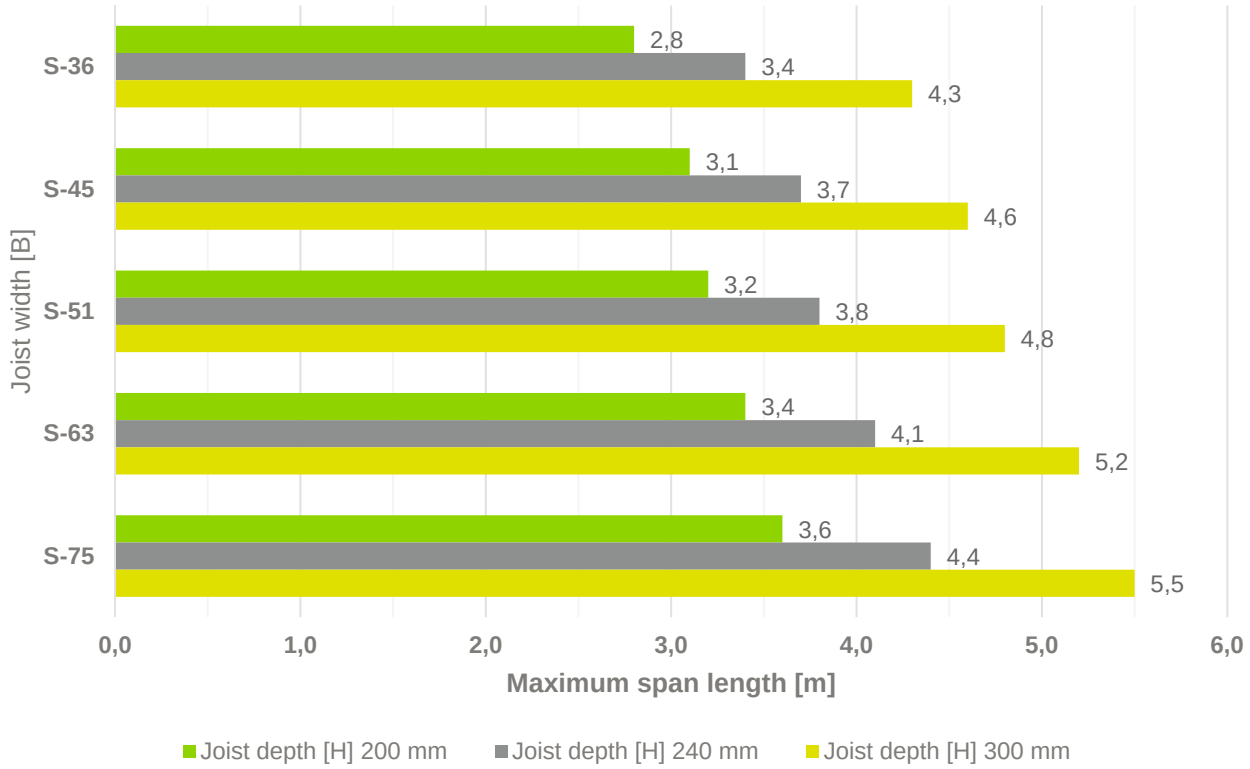
Kerto LVL S-beam joists for residential floor

08/07/2020



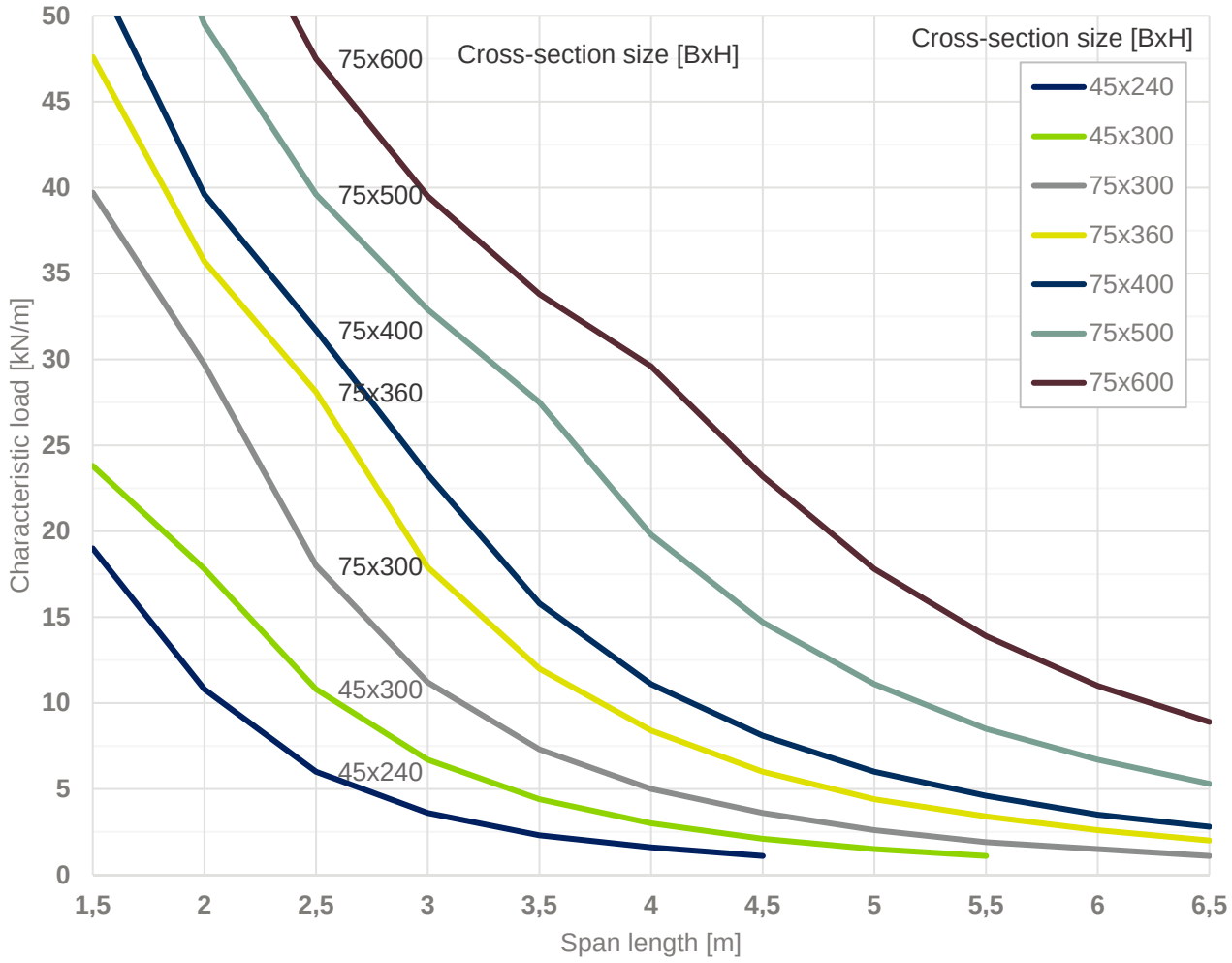
Notes:

- Calculation is done according to standard EN 1995-1-1 with National Annex of Belgium
- Service class 1 or 2. The consequences class is CC2.
- The permanent load is 1,3 kN/m², live load is 2 kN/m²
- Partitions walls load is 0,5kNm² , inlcuded in permanent load value, and support length is 45 mm or more.
- Spacing c/c 600mm
- Vibration parameters set for domestic residential building (f < 8Hz; a < 1,5 mm/kN)
-
- All final structural design should always be done by qualified personnel.

Kerto LVL S-beam for residential floors

08/07/2020

Headers, lintels, primary beams, ridge beams



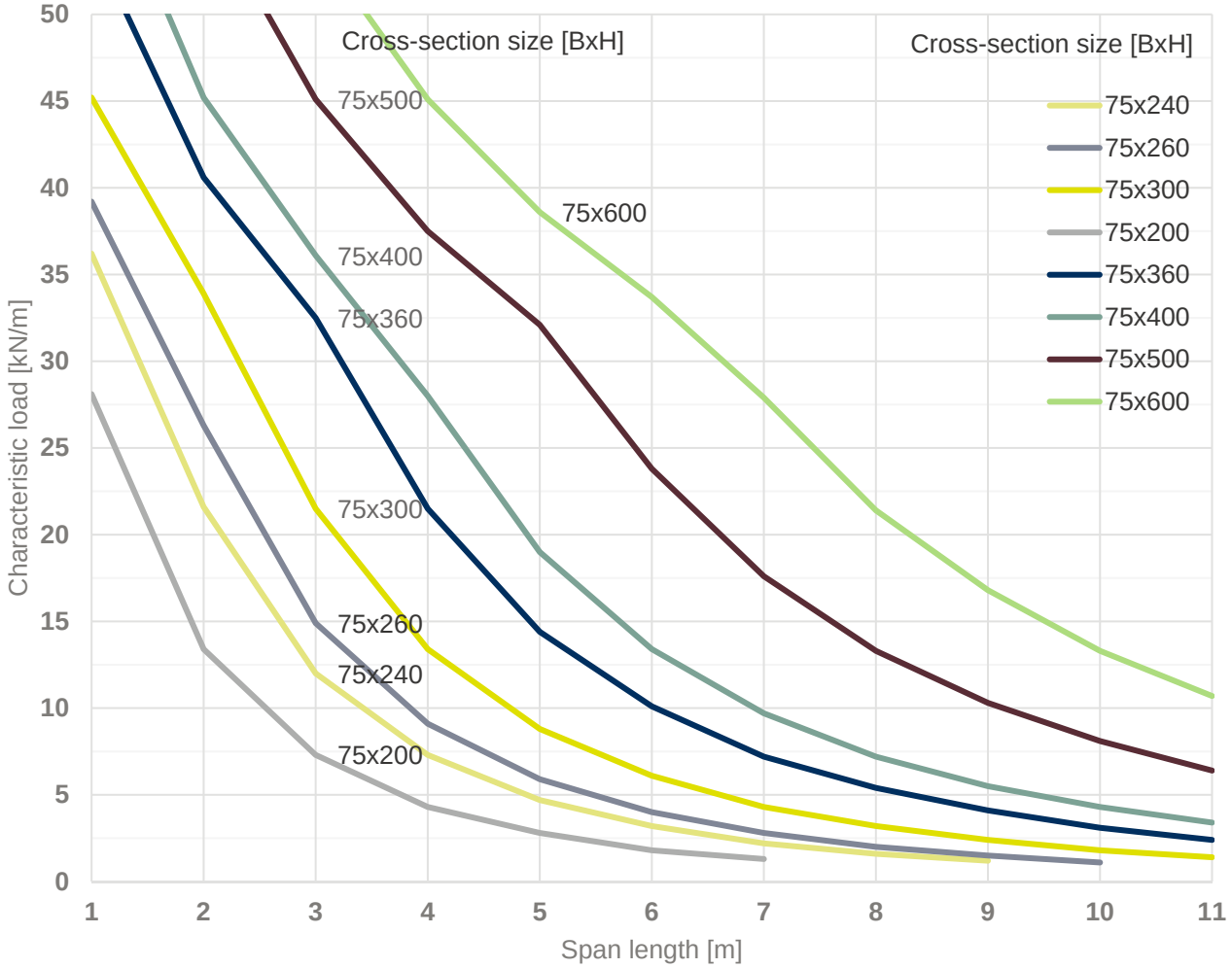
Notes:

- Calculation is done according to standard EN 1995-1-1 with National Annex of Belgium
- Service class 1 or 2. The consequences class is CC2, load duration class is mid-term
- The permanent load shall be ≤ 60% of the total characteristic load (final deflection < 1/300)
- The support length should be evaluated separately.
- Beam has a lateral torsional buckling supports at top surface with spacing not more than 600 mm.
-
- All final structural design should always be done by qualified personnel.

Kerto LVL S-beam in roofs

08/07/2020

Headers, lintels, ridge beams, primary beam and primary purlins



Notes:

- Calculation is done according to standard EN 1995-1-1 with National Annex of Belgium.
- Service class 1 or 2. The consequences class is CC2, load duration classe is short-term
- The permanent load shall be ≤ 75% of the total characteristic load (final deflection < 1/250)
- The support length should be evaluated separately.
- Beam has a lateral torsional buckling supports at top surface with spacing not more than 400 mm.
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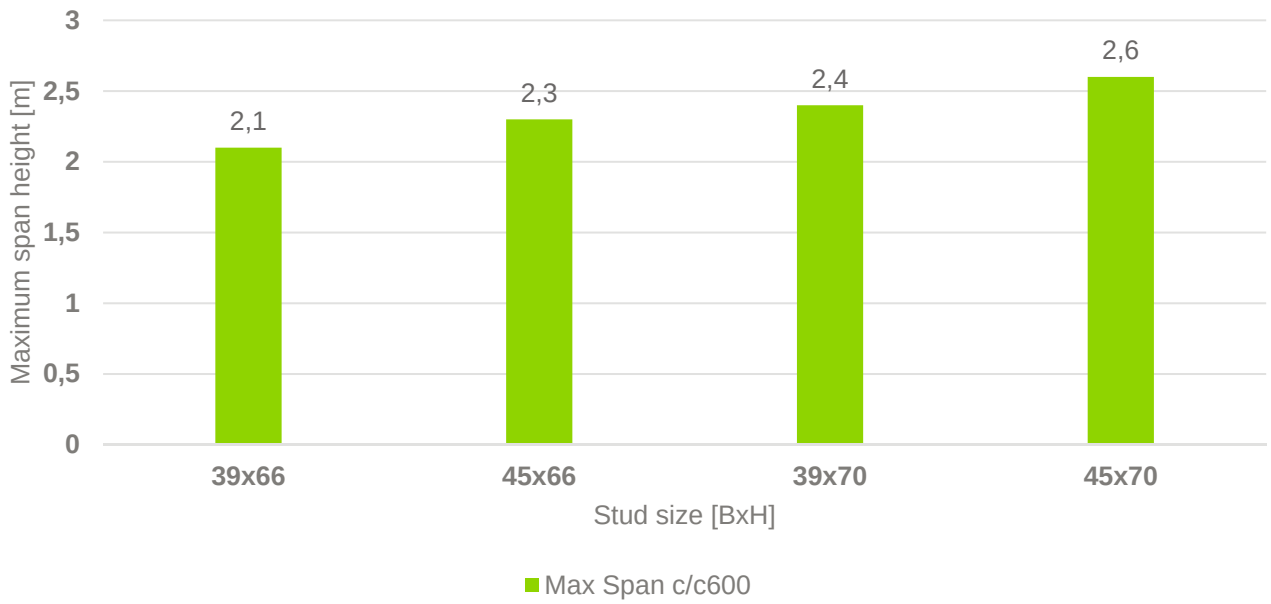
- All final structural design should always be done by qualified personnel.

Kerto-LVL T-stud for non load-bearing partition wall

08/07/2020



Notes:

- Calculation is done according to standard EN 1995-1-1 with National Annex of Belgium
- Service class 1 or 2. The consequences class is CC2.
-
- All final structural design should always be done by qualified personnel.