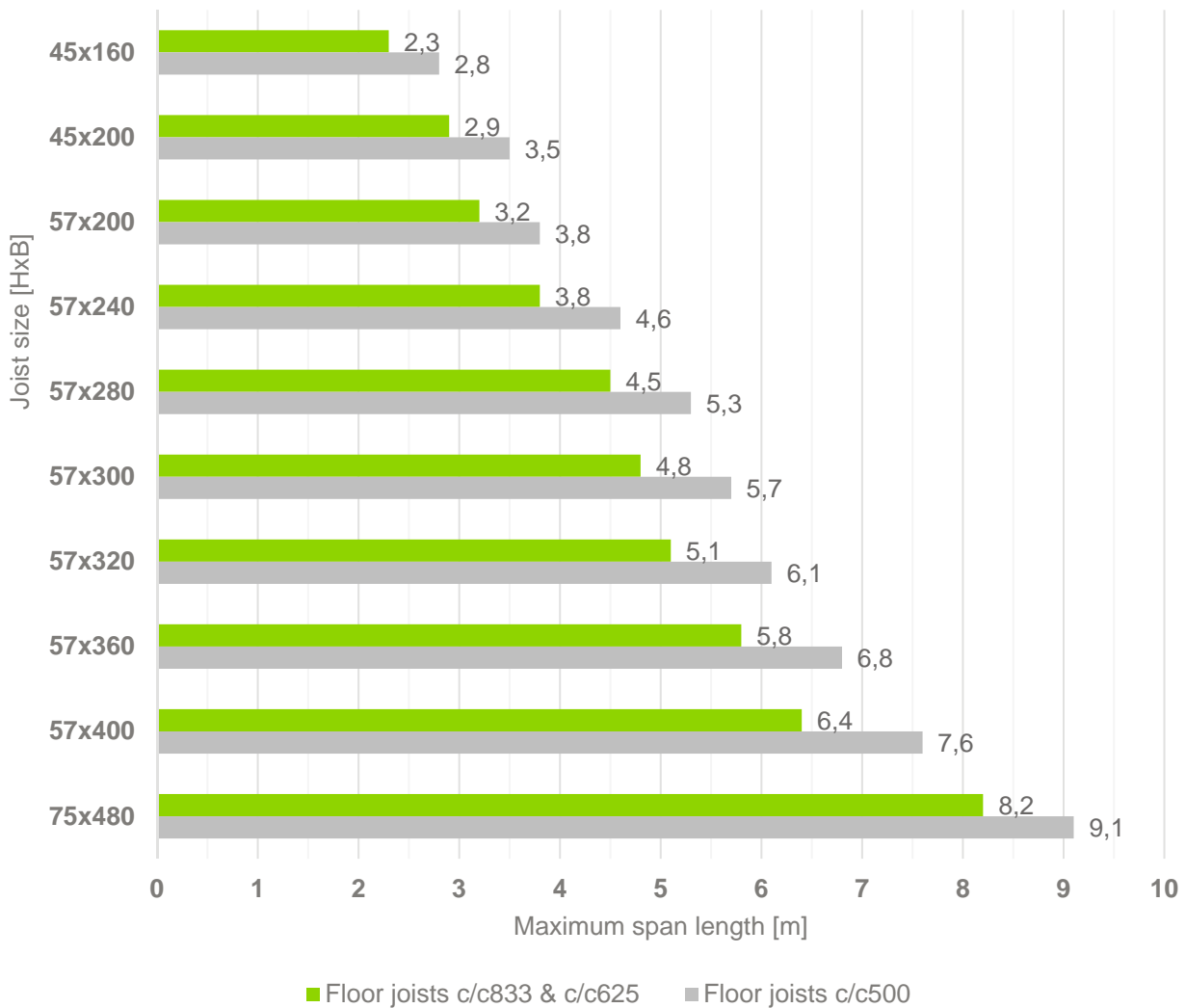




Kerto LVL S-beam joists for residential floor

28.04.2020



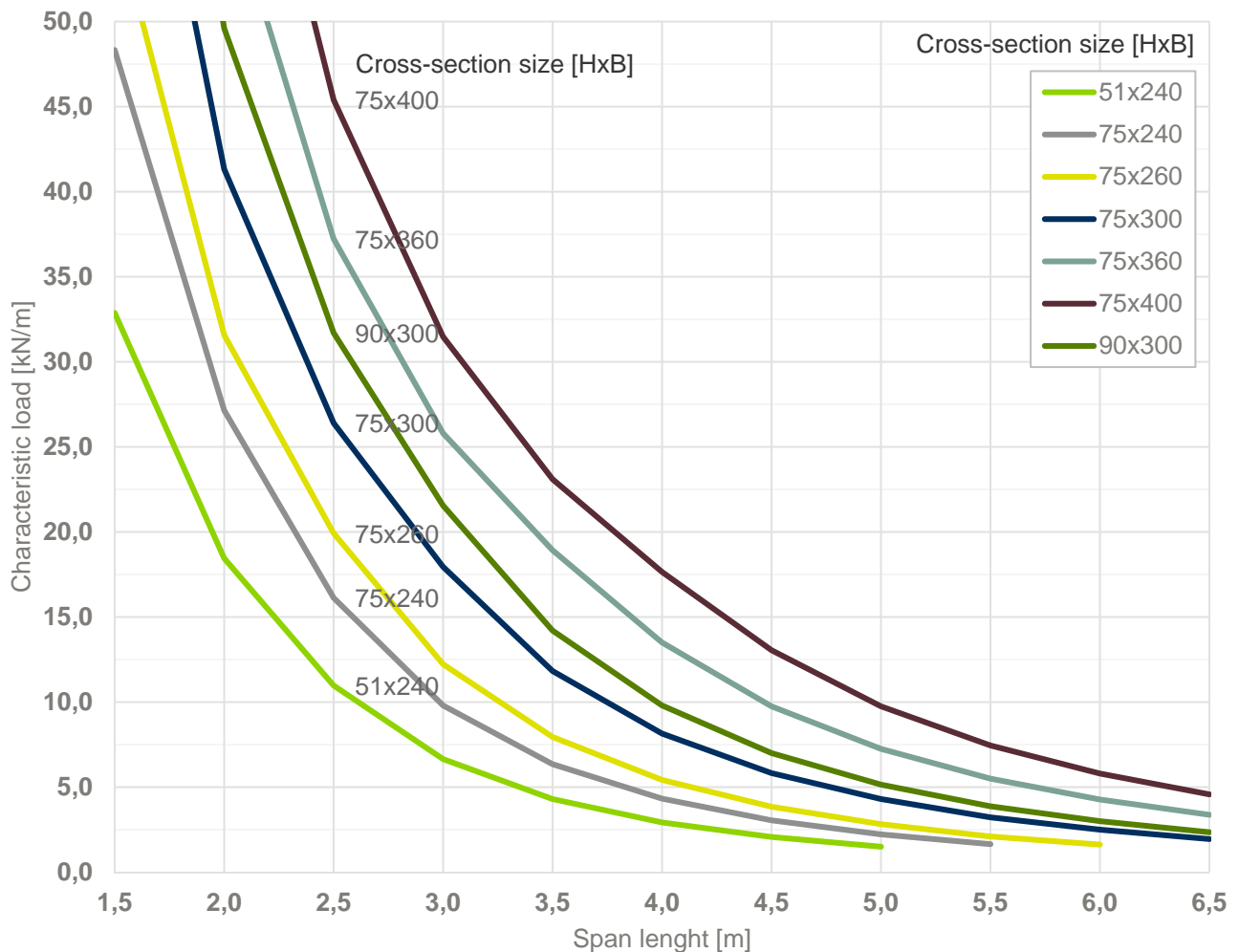
Notes:

- Calculation is done according to standard EN 1995-1-1 with National Annex of Germany.
- Service class 1 or 2. The consequences class is CC2. The permanent load is 1,5kN/m².
- The partition wall load is 0,8kN/m². Support length is 45 mm or more.
- OSB-3 (22mm) on top of joists for spacings c/c500 and 625 mm and OSB-3 (25mm) for spacing c/c 833 mm.
- Comfortability design according to single family house parameters.
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- All final structural design should always be done by qualified personnel.



Kerto LVL S-beam in residential floors Headers, lintels and primary beams

28.04.2020



Notes:

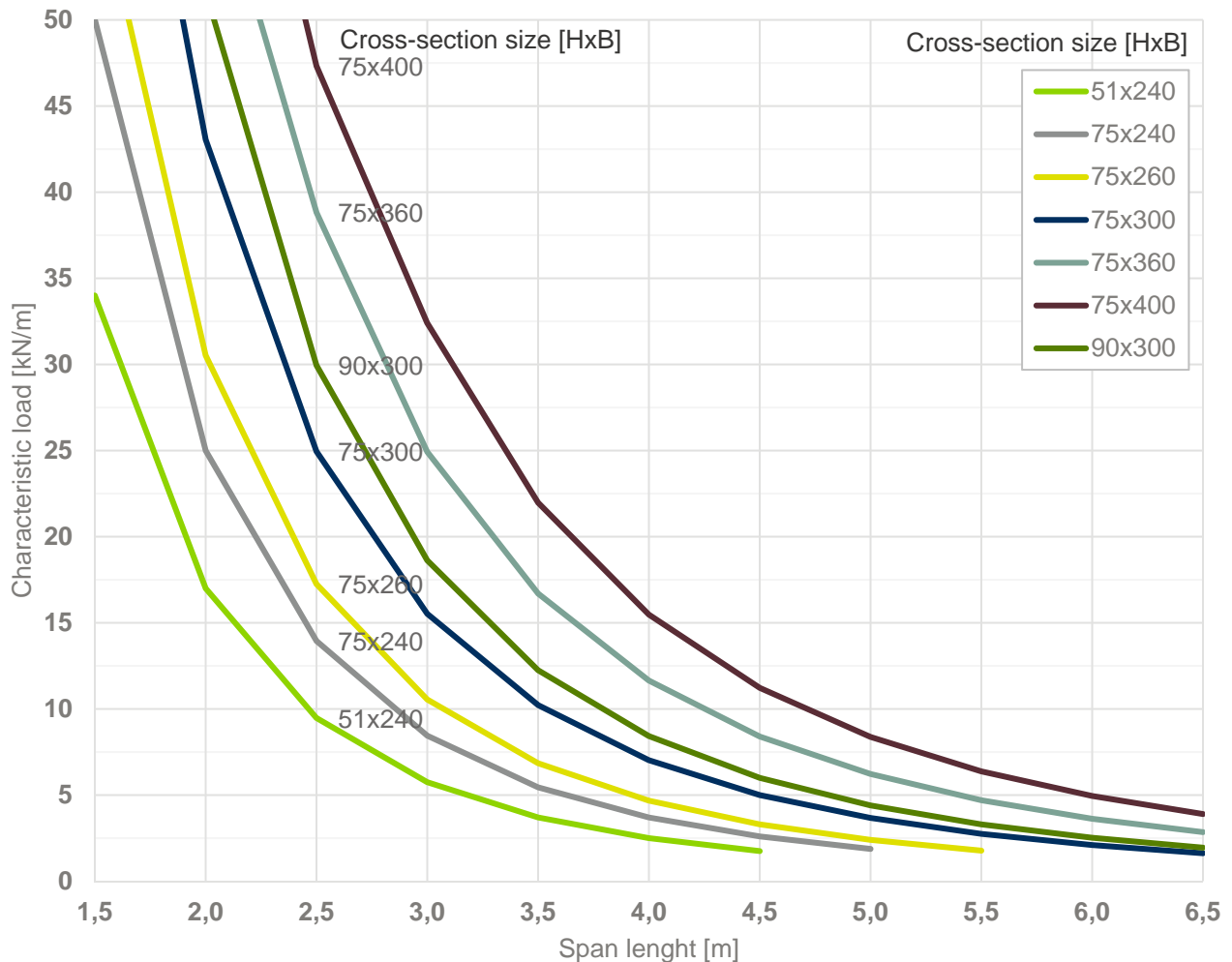
- Calculation is done according to standard EN 1995-1-1 with National Annex of Germany.
- Service class 1 or 2. The consequences class is CC2.
- The permanent load is 20% of the total characteristic load.
- The support length should be evaluated separately.
- Beam has a lateral torsional buckling supports at top surface with spacing not more than 833 mm.
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Kerto LVL S-beam in roofs

28.04.2020

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

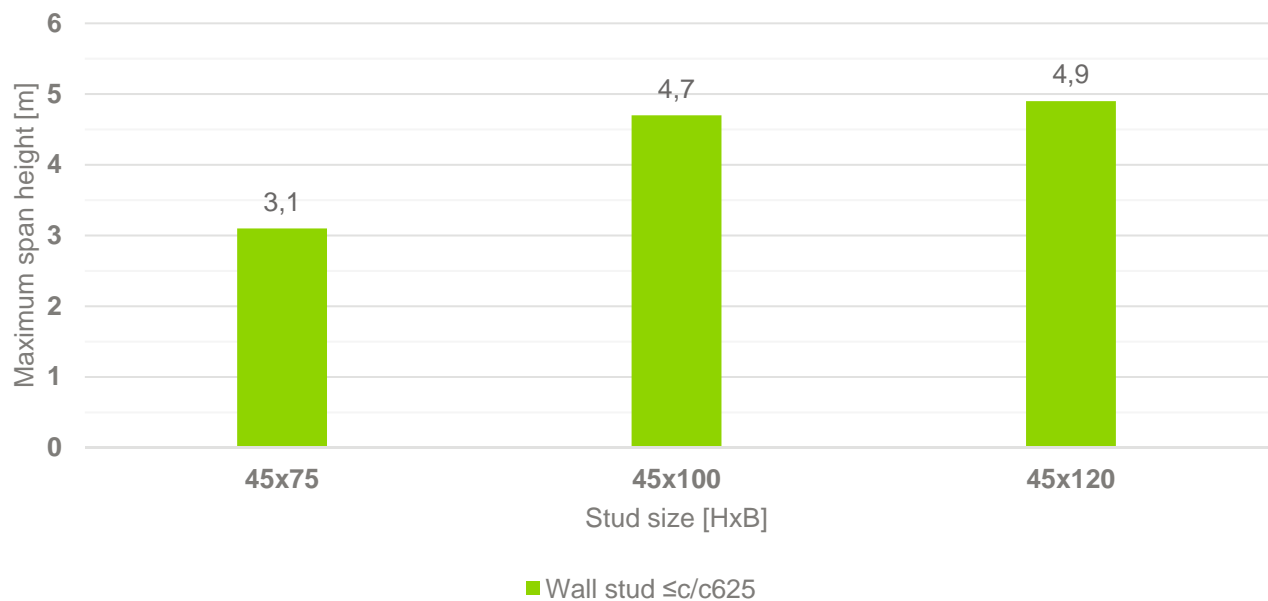


Notes:

- Calculation is done according to standard EN 1995-1-1 with National Annex of Germany.
- Service class 1 or 2. The consequences class is CC2.
- The permanent load is 60% of the total characteristic load.
- 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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Kerto LVL T-stud for non-load-bearing partition wall

28.04.2020



Notes:

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