FORMWORK BEAMS APLLICATION NOTES



Formwork beams are designed in such a way that they are suitable for use under construction site conditions, e.g. exposure to water, vapour and cement. Industrially manufactured wooden formwork beams are intended to be used in support frames and formwork and may only be loaded in the direction of the beam height.

Product Properties

PF20*plus*	End cap possible up to 9 m
PF20	Rounding with sealing possible up to 9 m - over 9 m straight cut only
Weight	Approx. 4.5 kg/linear metre
Cord thickness	27 mm
Lenghts	190, 245, 265, 290, 330, 360, 390, 450, 490, 590 cm Special lengths of up to 11.90 m
Packaging units	100 pieces/package
Packaging dimensions (bxh)	110 x 57 (50 pieces; without underlay) 110 x 110 (100 pieces; without underlay)
Max. number of stacks on top of each other	4 (50 pieces)/ 2 (100 pieces)

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Beam Stacks



- Always stack beams of the same type, i. e. do not mix PF20 with H20 in one stack
- The chore thickness must be the same within one stack
- Edge protection is not necessary, the rounded edges are sufficient
- Preferably even underground
- The underground has to be paved sufficiantly, in best case the storage areas are concreted or paved
- When storing stacks on asphalt, additional load spreading must be provided by means of wooden underlays
- When storing stacks on other surfaces (gravel, sand etc.), corresponding measures must be taken for storaging (e.g. support boards)

Maintenance

- Beams should be protected from extreme weather such as direct exposure to sunlight and rain by storing them under a roof or covering them. Complete wrapping of the beams should be avoided
- Constant storage conditions minimise the risk of crack formation as well as mould and fungal infestation After use, the beams should be allowed to dry
- The following type of damage excludes the statical use of beams. Affected beams must be replaced:
  - Transverse cracks (at right angle to fibre direction)
  - Straight cracks (parallel to the chord) with a crack width of more than 2 mm
  - Lateral splintering deeper than 10 mm and longer than 500 mm
  - Transverse splintering extending beyond the edge, wider than 30 mm and longer than 500 mm
  - Saw cuts deeper than 2 mm
  - Drill holes (except for system drilling)

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