

FORMWORK BEAMS APPLICATION NOTES

PF20_{PLUS} | PF20



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
Chord thickness	27 mm
Lengths	190, 245, 265, 290, 330, 360, 390, 450, 490, 590 cm Special lengths of up to 11.90 m
Packaging units	100 pieces/package
Package dimensions (b x h)	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)

Labelling



Manufacturer information by means of names, logo (lettering max. 1.5 m) / beam type (PF20 or PF20plus / beam length in meters / production ID / country of origin "made in Austria" / Ü label with APT for "Austria Pfeifer Tirol" by certification centre (MPA Stuttgart) / Product standard EN 13377 and beam class (classification) / monitoring level M

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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 chord 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 sufficiently, 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 storing (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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For better wood solutions*

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