



GENERAL SAFETY INSTRUCTIONS

Formwork beam

Status: 24.04 2024



TARGET GROUP

This document is intended for persons who use the myWood formwork beam described and contains instructions for the correct use of this product. It is important that all persons working with this product are familiar with the contents of this document.



ASSEMBLY

Installation must be carried out by qualified staff in accordance with the applicable laws, regulations and standards. Modifications to the myWood formwork beams are not permitted and represent a safety risk. The formwork beams must be installed in such a way that all load effects are safely transferred.



CONCRETING AND FORMWORK STRIPPING

Excessive concreting speeds lead to overloading and do not rule out breakage of the formwork beams. The formwork may only be stripped once the concrete has reached sufficient strength. The stability of the formwork, the scaffolding and the components must not be jeopardized.



SAFETY

This information is intended to help the customer to carry out the risk assessment required for use on construction sites and to coordinate the occupational safety measures. The applicable statutory provisions, standards and regulations on occupational health and safety on construction sites vary from country to country and must be checked and complied with on a case-by-case basis.



MAINTENANCE

Repairs may only be carried out by the producer.



RECYCLING

MyWood formwork beams do not contain any wood preservatives and can be recycled. Burning in open fires or in domestic fires is prohibited. National regulations must be observed.



OTHERS

Changes are possible due to technical development.





INSTRUCTIONS FOR USE

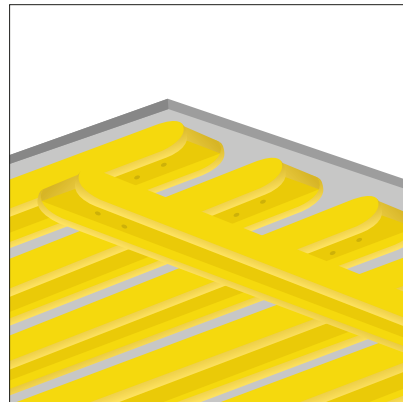
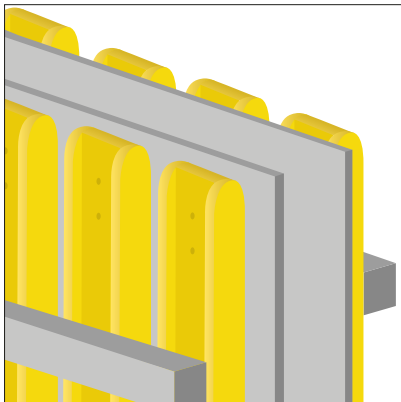
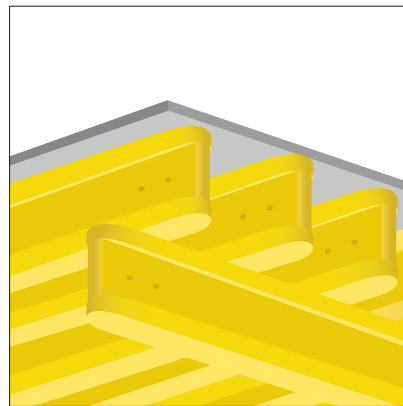
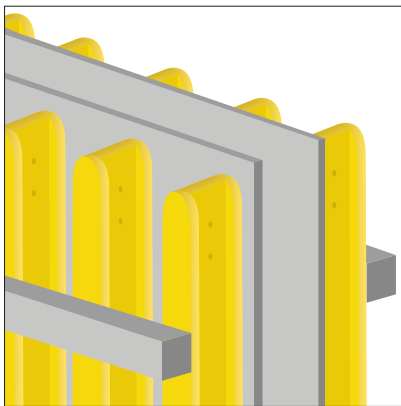
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USAGE

The myWood formwork beams are only designed for use as formwork beams for wall and floor formwork. The permitted load results from the direct calculation according to EN13377.



ATTENTION

Do not use as scaffolding covering or for traffic routes. Blunt joints (e.g. on head spindles) are not permitted. The bearing surface must not be less than 15 cm.



CRANE HOOK

For safety reasons, we recommend not exceeding the maximum load of 700 kg per beam.

Drawings are not true to scale



TECHNICAL STATUS

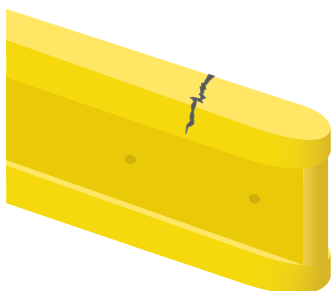
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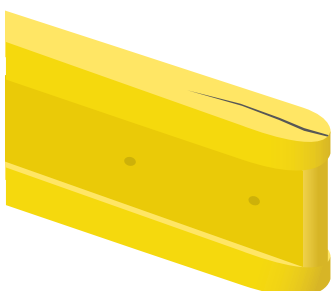


CRACKS

Across the wood fiber; not permitted

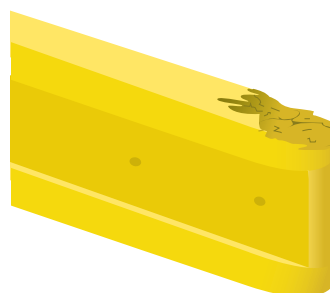


Lengthwise to the wood grain;
permissible parallel to the flange up to
a max. width of 2 mm

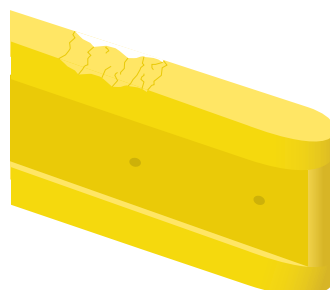


SPLINTERING ON THE FLANGE

Permissible up to a maximum length of
60 mm (splintering on the protection
has no effect on the load-bearing capa-
city of the beam)

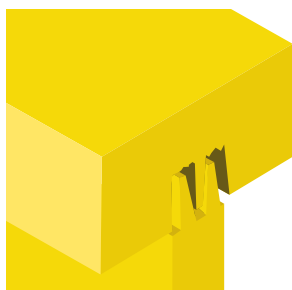


Permitted up to a max. depth of 10 mm
or a max. length of up to 500 mm (one-
sided)



DETACHMENT OF FLANGE FROM THE WEB

Not permitted



A gap (1 mm) at the upper end of the
flange-web-connection is permissible.



Drawings are not true to scale





STORAGE

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BEAM STACK

The myWood formwork beams must be stacked neatly on top of each other. Additional bundling with edge protection is recommended. The different web thicknesses should be stacked separately.



MAINTENANCE

Constant storage conditions reduce the formation of cracks and the infestation of mold and fungi. It is recommended to wipe dry the beam after use.



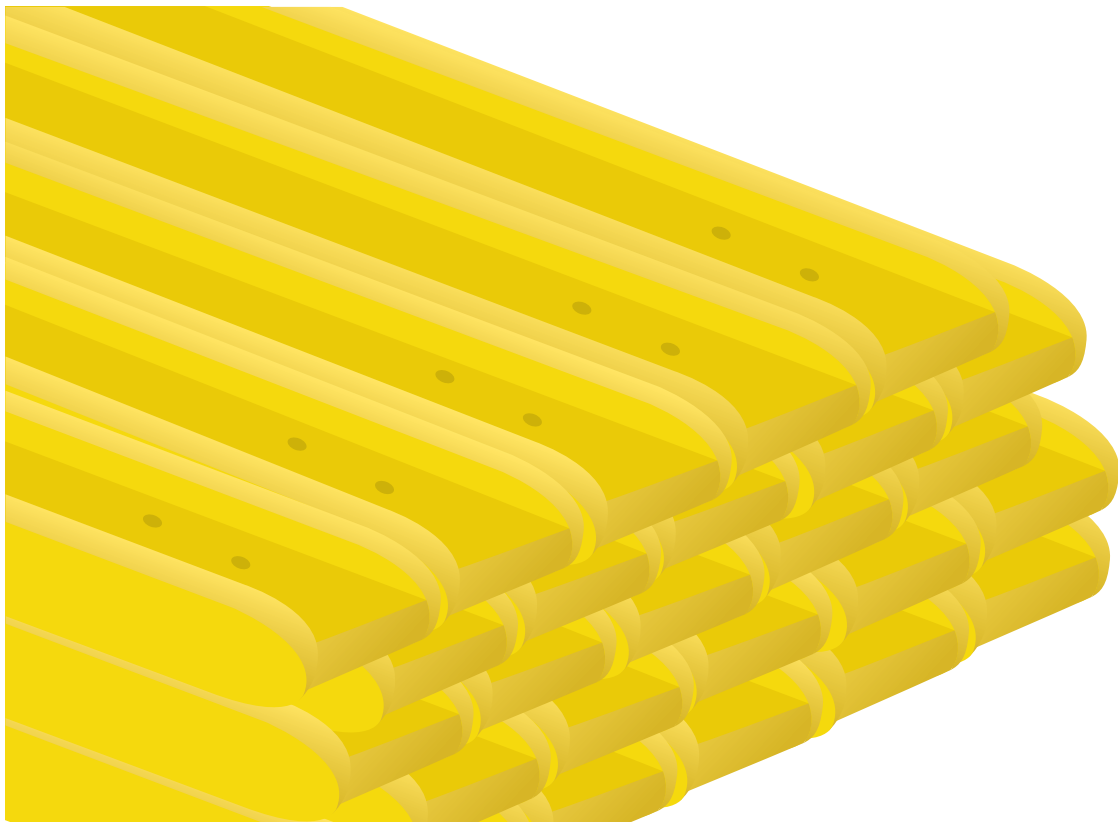
SOIL CONDITION

The stack of beams must be stored on as level a surface as possible. The surface must be sufficiently firm. Ideally, the storage areas should be concreted or paved. When storing on other substrates (gravel, sand, etc.), appropriate storage measures (e.g. shims) must be taken.



WEATHER CONDITIONS

The formwork beams must be protected from extreme weather conditions such as direct sunlight or moisture.





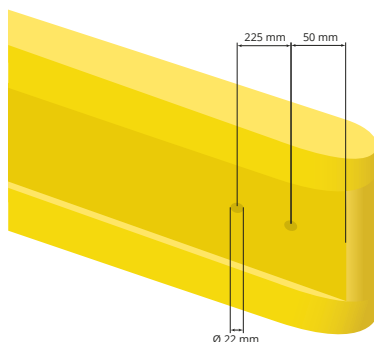
PRODUCT RANGE

Formwork beam

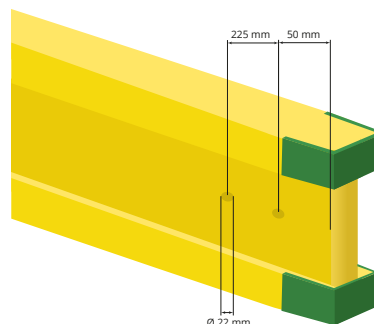
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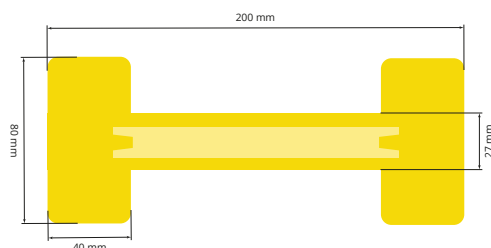
P20 STANDARD & PREMIUM BEAM, P16 STANDARD



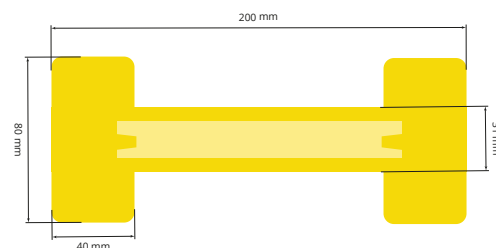
P20 STANDARD & PREMIUM PROTECT



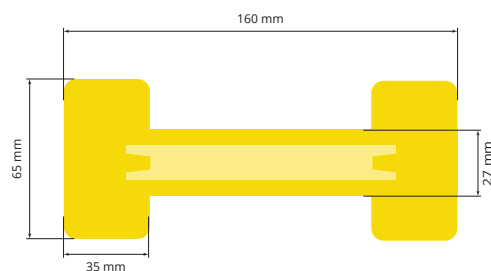
P20 STANDARD



P20 PREMIUM



P16 STANDARD



STANDARD LENGTHS IN CM

- | | |
|-------|-------|
| ■ 180 | ■ 360 |
| ■ 245 | ■ 390 |
| ■ 265 | ■ 450 |
| ■ 290 | ■ 490 |
| ■ 330 | ■ 590 |

Drawings are not true to scale

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TECHNICAL DATA SHEET

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TECHNICAL DATA

WOOD SPECIES PEFC-certified: spruce, fir

WOOD MOISTURE CONTENT 10% ± 2%



	P20 STANDARD	P20 PREMIUM	P16 STANDARD	TOLERANZEN
BEAM HEIGHT	200 mm	200 mm	160 mm	± 1,0%
FLANGE HEIGHT	40 mm	40 mm	35 mm	± 1,5%
FLANGE WIDTH	80 mm	80 mm	65 mm	± 1,5%
WEB THICKNESS	27 mm	31 mm	27 mm	± 3,0%
WEIGHT/METER	4,5 kg	4,7 kg	3,2 kg	± 1,5%



STATICS ACCORDING TO EN13377

	P20	PERMITTED
SHEARING FORCE	$V_k = 23,9 \text{ kN}$	$Q = 11 \text{ kN}$
BENDING MOMENT	$M_k = 10,9 \text{ kNm}$	$M = 5 \text{ kNm}$
SUPPORT	$R_{b,k} = 47,8 \text{ kN}$	

	P16	PERMITTED
SHEARING FORCE	$V_k = 18,4 \text{ kN}$	$Q = 8,5 \text{ kN}$
BENDING MOMENT	$M_k = 5,9 \text{ kNm}$	$M = 2,7 \text{ kNm}$
SUPPORT	$R_{b,k} = 36,8 \text{ kN}$	

