Cofraje

Grinzi Cofraje H20



Grindă de cofraj tip H din lemn de rășinoase pentru cofraje de pereți și planșee. Pentru varianta P20 Standard, catalogul indică miez stratificat de 27 mm.

Caracteristici

Înălțime grindă	200 mm
Secțiune flanșă	80 × 40 mm
Miez P20 Standard	27 mm
Greutate P20 Standard	Aproximativ 4,5 kg/m

Variante din catalog

Lungime	1900 mm / 2500 mm / 2900 mm / 3000 mm / 3500 mm

Documentația tehnică aferentă produsului continuă în paginile următoare.

P20 FORMWORK BEAMS





P20 FORMWORK BEAMS

myWood P20 formwork beams have established **worldwide** as an indispensable branded product in the construction industry. For almost 20 years our family business in Slovakia, Polomka, has been producing **high durable wooden formwork beams** from fine-grained coniferous wood that meets the demands of quality-conscious customers.

FACTS

Standard:

- Manufactured according to **EN13377**
- Solid **27 mm** 3-layer web and rounded ends
- Easy to handle, very dimensionally stable
- High product safety with an optimal price-performance ratio

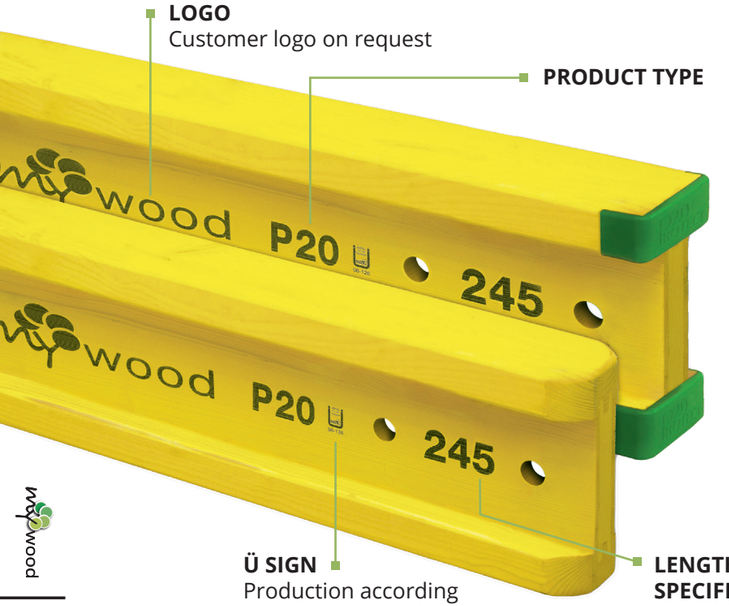


Premium:

- Manufactured according to **EN13377**
- Strong **31 mm** 3-layer web and rounded ends
- Designed for extra long service life
- Providing highest safety under extreme loadings



PRODUCT RANGE



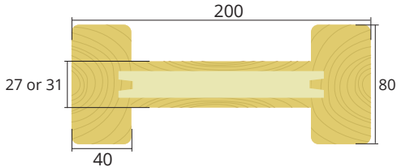
LOGO
Customer logo on request

PRODUCT TYPE

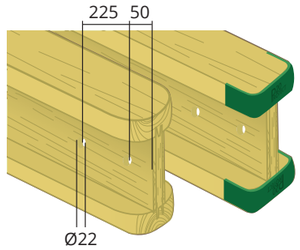
Ü SIGN
Production according to EN13377-Certification

LENGTH SPECIFICATION
in cm

STANDARD & PREMIUM



WITH & WITHOUT PROTECTION



STANDARD LENGTHS IN CM

- 180, 245, 265, 290, 330, 360, 390, 450, 490, 590
- Special lengths on request

Specifications are in mm unless otherwise stated.







YOUR SAFETY IN FOCUS

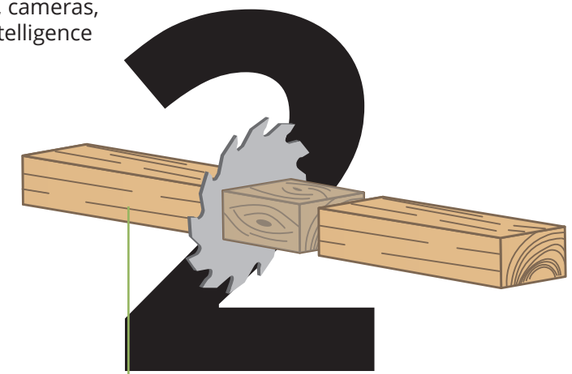
1

RAW MATERIAL INSPECTION
through a combination of lasers, cameras, X-ray technology and artificial intelligence



X-RAY
Detecting weaknesses in supporting materials

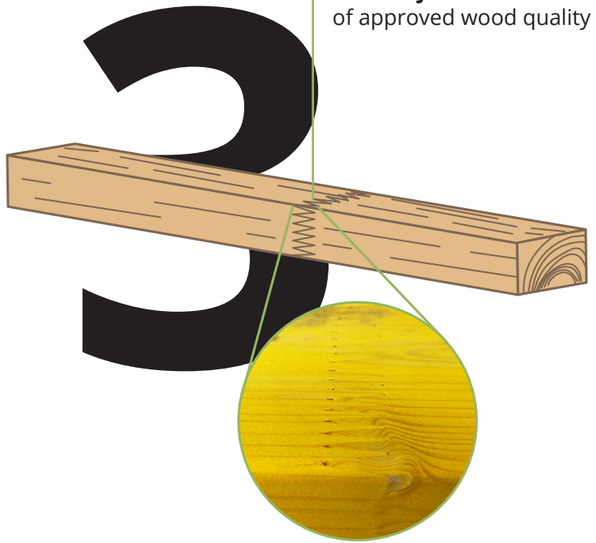
2



AUTOMATIC SORTING
Removal & sorting of unsuitable raw material

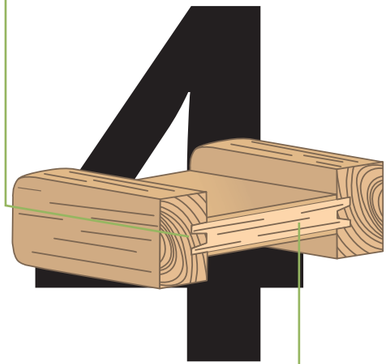
3

FINGER-JOINTING & GLUING
of approved wood quality



4

PRESSING
of flange & 3-layer web



SOLID 3-LAYER WEB
from our own production



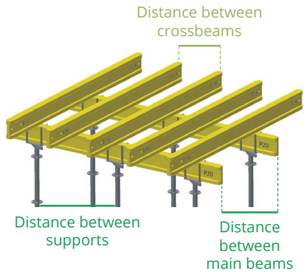
DETERMINATION OF SPANS

GIVEN/SELECTED

- Ceiling thickness
  example: 35 cm having a total load of 11,17 kN/m²
- Crossbeam spacing
  example: 0,63 m

REQUIRED

- Spacing between main beams
  example: 2,25 m
- Distance between supports
  example: 0,88 m



ESTABLISHED

- Determine the spacing between main beams based on the ceiling depth and the cross beam spacing
- Distance between supports can be read in the value table (select the next smallest spacing between main beams)

DETERMINATION OF SPANS

ceiling depth cm	total load* KN/m²	crossbeam spacing (m)				spacing between main beams (m)								
		0,50	0,63	0,67	0,75	1,00	1,25	1,50	1,75	2,00	2,25	2,50	3,00	3,50
		spacing between main beams (m)						distance between supports (m)						
10	4,35	3,67	3,40	3,33	3,20	2,91	2,70	2,48	2,29	2,14	2,02	1,92	1,69	1,44
12	4,87	3,47	3,22	3,15	3,03	2,75	2,55	2,34	2,17	2,03	1,91	1,81	1,15	1,29
14	5,39	3,30	3,07	3,00	2,89	2,62	2,43	2,22	2,06	1,93	1,81	1,63	1,36	1,17
16	5,91	3,17	2,94	2,88	2,77	2,52	2,33	2,12	1,97	1,84	1,65	1,49	1,24	1,06
18	6,43	3,05	2,83	2,77	2,67	2,42	2,23	2,04	1,86	1,71	1,52	1,37	1,14	0,98
20	6,95	2,95	2,74	2,68	2,58	2,34	2,15	1,96	1,81	1,58	1,41	1,27	1,06	0,90
22	7,47	2,86	2,66	2,60	2,50	2,27	2,07	1,89	1,68	1,47	1,31	1,18	0,98	0,84
24	7,99	2,79	2,59	2,53	2,43	2,21	2,00	1,83	1,57	1,38	1,22	1,10	0,92	0,79
26	8,51	2,27	2,52	2,47	2,37	2,16	1,94	1,72	1,48	1,29	1,15	1,03	0,86	0,74
28	9,03	2,65	2,46	2,41	2,32	2,10	1,88	1,62	1,39	1,22	1,08	0,97	0,81	0,70
30	9,61	2,59	2,41	2,36	2,27	2,04	1,82	1,53	1,31	1,14	1,02	0,92	0,76	0,65
35	11,17	2,47	**2,29**	2,24	2,16	1,89	1,58	1,31	1,13	0,98	**0,88**	0,79	0,66	0,56
40	12,73	2,36	2,19	2,15	2,05	1,73	1,38	1,15	0,99	0,86	0,77	0,69	0,58	0,49
45	14,29	2,27	2,11	2,05	1,93	1,54	1,23	1,03	0,88	0,77	0,68	0,62	0,51	0,44
50	15,85	2,20	2,01	1,95	1,83	1,39	1,11	0,93	0,79	0,69	0,62	0,56	0,46	0,40
55	17,41	2,13	1,92	1,86	1,68	1,26	1,01	0,84	0,72	0,63	0,56	0,51	0,42	0,36
60	18,97	2,05	1,84	1,74	1,55	1,16	0,93	0,77	0,66	0,58	0,52	0,46	0,39	0,33
65	20,53	1,97	1,71	1,61	1,43	1,07	0,86	0,71	0,61	0,54	0,48	0,43	0,36	0,31
70	22,09	1,90	1,59	1,49	1,33	1,00	0,80	0,66	0,57	0,50	0,44	0,40	0,33	0,28
75	23,65	1,84	1,49	1,40	1,24	0,93	0,74	0,62	0,53	0,47	0,41	0,37	0,31	0,27
80	25,21	1,75	1,40	1,31	1,16	0,87	0,70	0,58	0,50	0,44	0,39	0,35	0,29	0,25
85	26,77	1,64	1,31	1,23	1,10	0,82	0,66	0,55	0,47	0,41	0,37	0,33	0,27	0,23
90	28,33	1,55	1,24	1,16	1,04	0,78	0,62	0,52	0,44	0,39	0,35	0,31	0,26	0,22
95	29,89	1,47	1,18	1,10	0,98	0,74	0,59	0,49	0,42	0,37	0,33	0,29	0,25	0,21
100	31,45	1,40	1,12	1,05	0,93	0,70	0,56	0,47	0,40	0,35	0,31	0,28	0,23	0,20

*incl. working load 1,5 kN/m² I_y= 4181 cm⁴ A=101 cm² max. deflection in centre of field l/500

Note: The table is provided for provisional dimensioning and does not replace structural verifications.

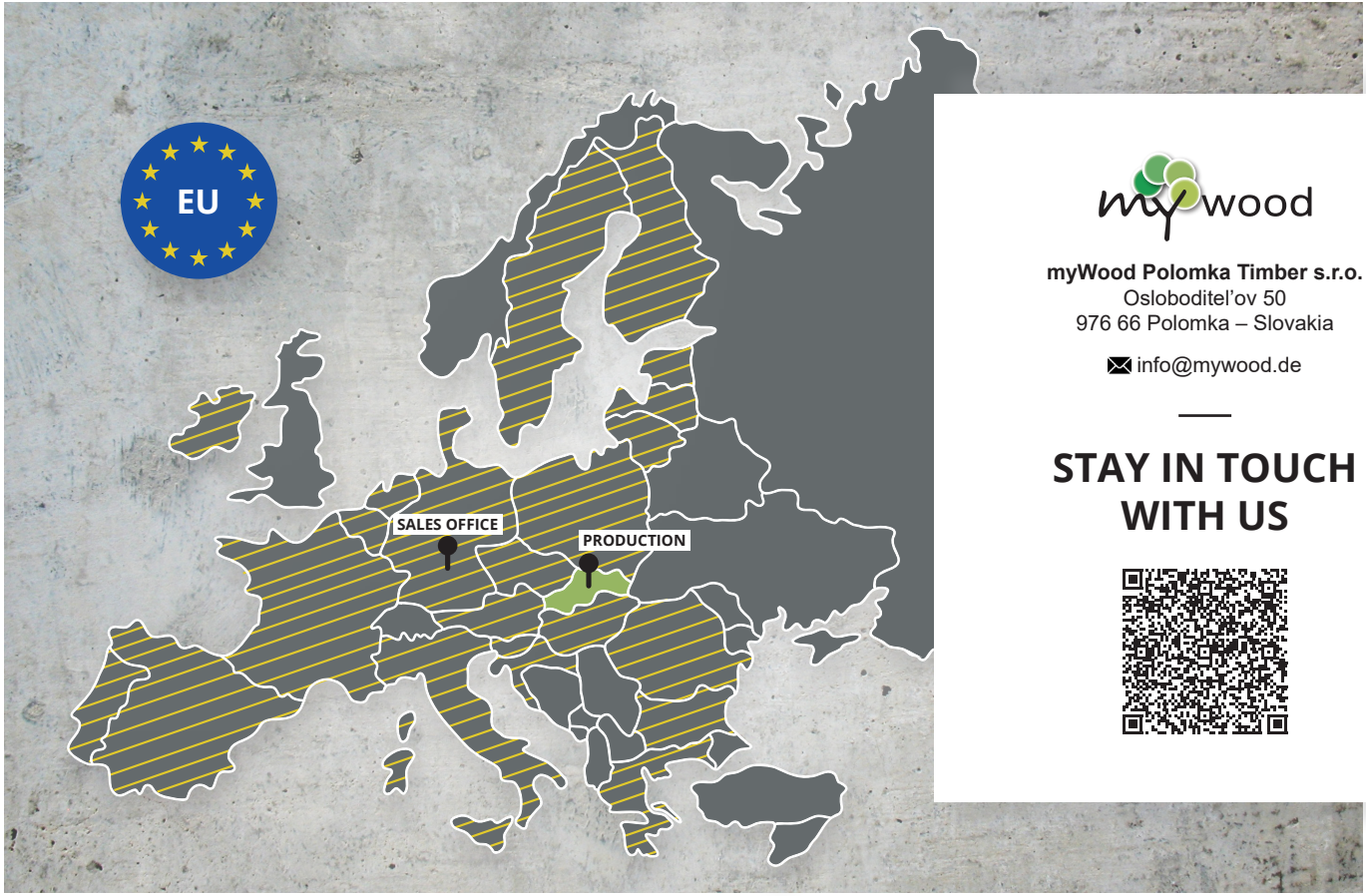
TECHNICAL DATA

WOOD TYPE	PEFC-certified: Spruce, Fir	
WOOD MOISTURE	10% ± 2%	
DIMENSIONAL TOLERANCE	Beam height Flange height Flange width Web thickness	± 1,0 % ± 1,5 % ± 1,5 % ± 3,0 %
WEIGHT PER METER	P20 Standard P20 Premium	4,5 kg ± 1,5 % 4,7 kg ± 1,5 %

STATICS

ACCORDING TO EN13377	**P20**	**PERMISSIBLE**
SHEAR FORCE	V_k = 23,9 kN	Perm. Q = 11 kN
BENDING MOMENT	M_k =10,9 kNm	Perm. M = 5 kNm
SUPPORT	$R_{b,k}$ = 47,8 kN	





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STAY IN TOUCH WITH US

2024, ENG