ALTRAD

COFFRAGE
& ÉTAIEMENT
LOCATION
VENTE
MONTAGE

WOODEN BEAM

H20

H20 WOODEN BEAM

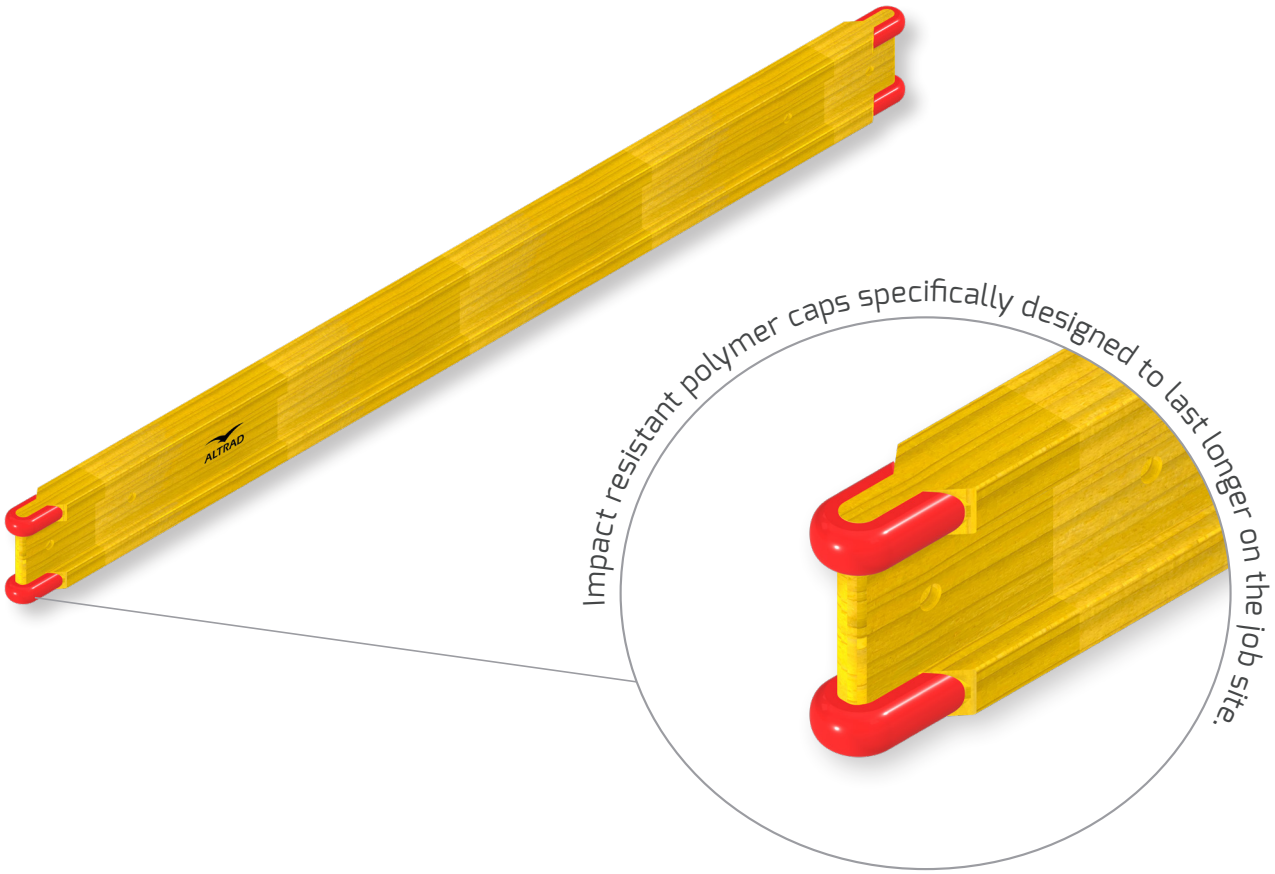
THE FORMWORK BEAM THAT **COMBINES STRENGTH AND SAFETY**

OBJECTIVES

The H20 timber beam allows for **the construction of formwork decking at a moderate short-term economic cost.** The H20 timber beam is the traditional solution with the best price/performance ratio in the building industry.

ADVANTAGES

- Wooden beam for formwork, consisting of an upper and a lower flange, and a central section made of 3-ply panels. The connection is made by means of a toothed and glued joint.
- 3-ply panels, 27 mm thick
- **STRENGTH AND SAFETY** : Dimensionally stable and able to recover after load application. High load-bearing capacity along the entire length. Anti-dampness, anti-shock and anti-drift protection.
- **LIGHTNESS** : Easy handling and quick assembly. Minimum weight.
- **ECONOMICAL** : Can be used several times. Excellent quality-price ratio.
- **FITNESS FOR CONSTRUCTION WORK** : Ideal for use in conjunction with the three-layer panel. The beam can be cut at any point. Supports can be placed between the beams at any point. Suitable for all types of formwork. Easy storage.
- Customised marking possible for a quantity of 5,000 ml (not in stock).

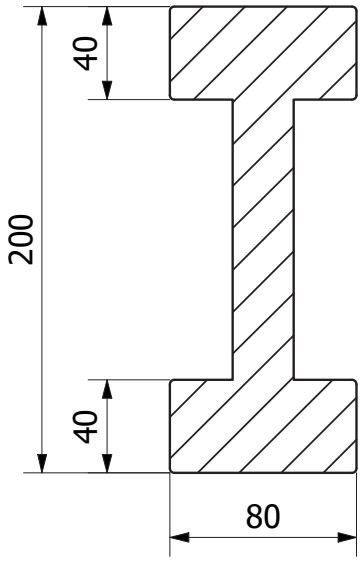


CARACTERISTIQUES

Lenght (cm)	Mass (kg)
245	11.5
290	13.6
390	18.3
490	23

Mechanical characteristics (according to NFP93-322, safety coefficient: 2) :

- Permissible bending moment Md = 5 kN.m
- Permissible shear force Ty = 11 kN
- Moment of inertia Iy = 4570 cm4
- Linear mass M = 4.7 kg/m



STANDARDS & CERTIFICATIONS

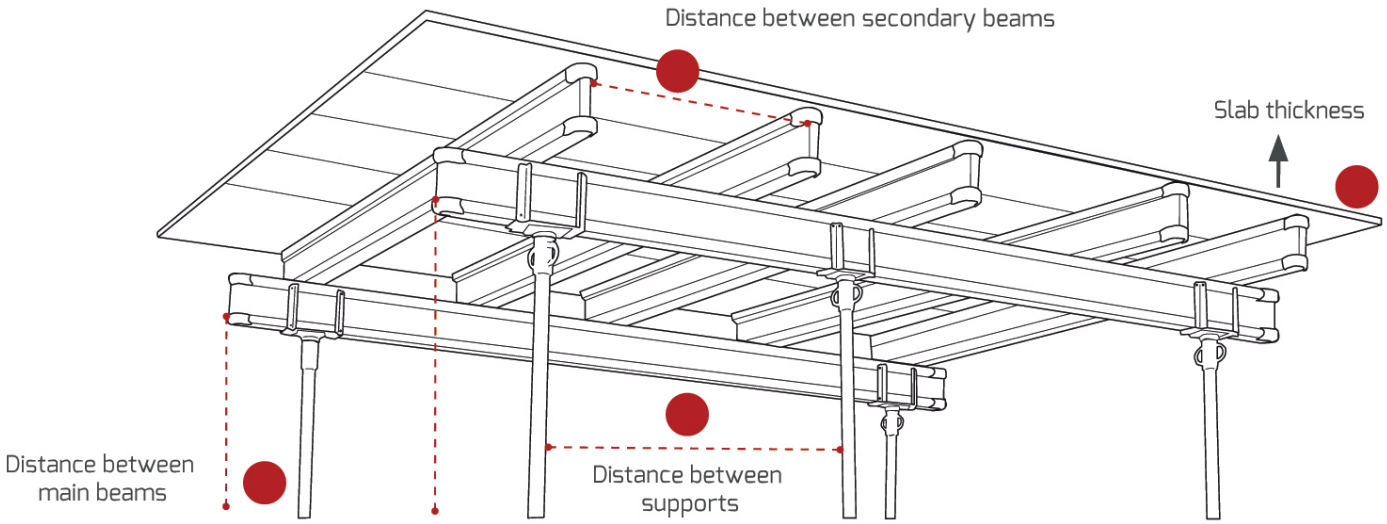
- Certification ÜZ-BWU03- l14.24.29 by MPA Stuttgart in accordance **with European standards EN 13377 and NF P93-322**.
- Formwork certificate C1 according to DIN 1952-2008 certified by MPA Stuttgart.
- Fir wood with PEFC certification and C24 quality.

PACKAGING

- **Standard packaging:** 50 pieces for 100 piece container.

WEIGHT

- Per linear metre: 4.7 kg.



Maximum beam deflection : L/500
Live load : 1,5 kN/m2 or 20% od the weight of the reinforced concrete
Permissible load-bearing capacity of supports : A = Min. 22 kN

Technical specification, safety load
Permissible bending moment : Q = 11 kN
Permissible shear force : M = 5 kNm

SLAB THICKNESS	TOTAL LOAD	SECONDARY BEAMS distance between secondary beams (m)			PRIMARY BEALS Distance between primary beams (m)								
cm	KN/m²	0,50	0,63	0,75	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
		Maximum permissible support distance = distance between mains beams											
10	4,35	3,20	2,98	2,80	2,54	2,36	2,22	2,11	2,02	1,94	1,87	1,82	1,68
12	4,87	3,09	2,87	2,70	2,45	2,27	2,14	2,03	1,94	1,87	1,80	1,64	1,50
14	5,39	2,98	2,77	2,61	2,37	2,20	2,07	1,97	1,88	1,81	1,63	1,48	1,36
16	5,91	2,89	2,69	2,53	2,30	2,13	2,01	1,91	1,82	1,75	1,48	1,35	1,24
18	6,43	2,81	2,61	2,46	2,23	2,07	1,95	1,85	1,71	1,62	1,36	1,24	1,14
20	6,95	2,74	2,55	2,39	2,18	2,02	1,90	1,81	1,58	1,40	1,26	1,15	1,05
22	7,47	2,68	2,48	2,34	2,12	1,97	1,86	1,68	1,47	1,30	1,17	1,07	0,98
24	7,99	2,62	2,43	2,29	2,08	1,93	1,81	1,57	1,37	1,22	1,10	1,00	0,91
26	8,51	2,56	2,38	2,24	2,03	1,89	1,72	1,47	1,29	1,14	1,03	0,94	0,86
28	9,03	2,51	2,33	2,19	1,99	1,85	1,62	1,39	1,21	1,08	0,97	0,88	0,81
30	9,55	2,47	2,29	2,15	1,96	1,83	1,53	1,31	1,15	1,02	0,92	0,83	0,76
32	10,07	2,42	2,25	2,12	1,92	1,74	1,45	1,24	1,09	0,97	0,87	0,79	0,72
34	10,59	2,38	2,21	2,08	1,89	1,66	1,38	1,18	1,03	0,92	0,83	0,75	0,69
36	11,11	2,34	2,18	2,05	1,86	1,58	1,31	1,13	0,99	0,88	0,79	0,72	0,66
38	11,63	2,31	2,14	2,02	1,83	1,51	1,26	1,08	0,94	0,84	0,75	0,68	0,63
40	12,15	2,28	2,11	1,99	1,81	1,44	1,20	1,03	0,90	0,80	0,72	0,65	0,60
45	13,45	2,20	2,04	1,92	1,63	1,30	1,09	0,93	0,81	0,72	0,65	0,59	0,54
50	14,75	2,13	1,98	1,86	1,49	1,19	0,99	0,85	0,74	0,66	0,59	0,54	0,49
55	16,05	2,07	1,93	1,81	1,37	1,09	0,91	0,78	0,68	0,60	0,54	0,49	0,45
60	17,35	2,02	1,88	1,77	1,26	1,01	0,84	0,72	0,63	0,56	0,50	0,46	0,42

The specifications given are indicative and cannot replace those of the main technician responsible for the construction site.

Altrad Coffrage & Etaiement sell and rent patented shoring and formwork solutions to major companies and SMEs in the building industry. Our strength is the management of the equipment fleet for our customers. Ensuring the preparation of orders, site monitoring, delivery organization, equipment availability and stock management is our core business. We also maintain the equipment on our depots so that it can be reused even better. Guaranteeing quality equipment is our priority.

Altrad Coffrage& Etaiement favours a relationship of trust and proximity with its customers thanks to the establishment of the various regional agencies and the presence of trained and available business managers. We also have an export department dedicated to international projects.

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