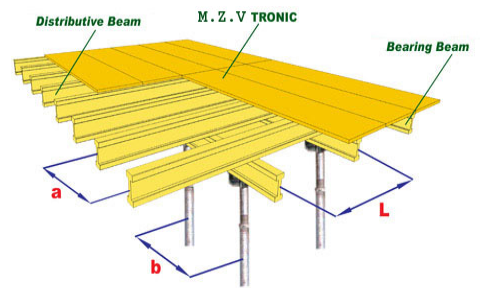


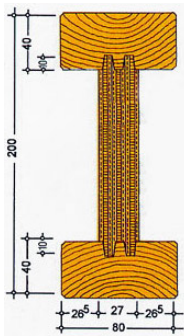


M.Z.V
Building Equipment Center



MZV HT20 & Tronic

The H beam MZV HT20 represents the natural construction tool in the shutter-

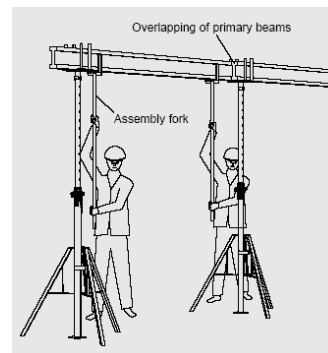
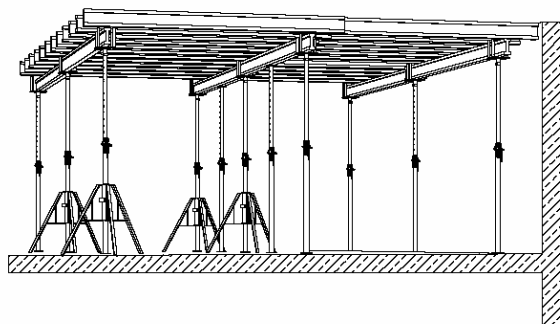


ing process. Entirely made of massive wood in a totally mechanized

way, our beam is handy, strong and versatile. It can be used both as primary beam or as secondary beam in the realization of concrete roofs or as support in wall-making shuttering systems. In combination with our shuttering board MZV Tronic, the beam HT20 constitutes a complete shuttering system finding its main usage

in the realization of any type of concrete roof.

<u>Technical data MZV HT20</u>	
◆ Allowable deflection :	1/500
◆ Live load:	1.5kN/m ² or 20% of concrete load.
◆ Allowable load carrying capacity of columns:	22kN
◆ Characteristics of beam: allowable moment of bending	M=5.0kNm, allowable shear force Q=11.0kN.
◆ Standard length :	2.45, 2.9, 3.3, 3.6, 3.9, 4.9, 5.9m

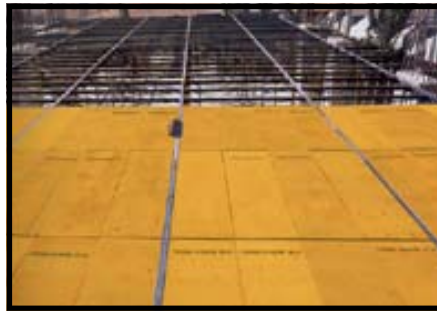
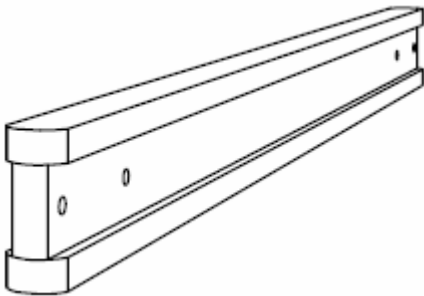


The MZV Tronic is a 3 plies shuttering board. Special exterior glues have been used for gluing the listells in order to avoid splits and to guarantee a highly water permeability. The materials used have been chosen through new and modern technologies which guarantee highly and constant standards of quality. MZV Tronic consists of closed listells in order to avoid twisting, bending and to offer a higher resistance to deflection. With these features you will have no more problems with internal and external splits or with cracking on the edges. The external surface of the board is treated with melamine resins which guarantee a high number of re-utilizations. Thanks to the limited number of accessories the assembly is easy and quick. Tronic is made in a wide range of sizes: length of 100-600 cm and width of 50-200 cm (special sizes also available by request).

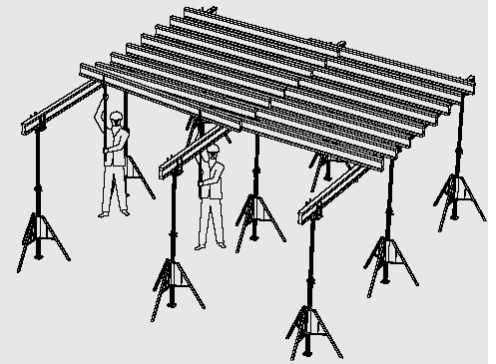


M.Z.V

Building Equipment Center



Secondary beams and shuttering skin



MZV HT20 & Tronic

Floor thickness cm	Total load kN/m ²	Joist (Upper beam) spacing (m) - max. spacing of girders				Girder (Lower beam) spacing (m) - max. spacing of props.									
		0.500	0.625	0.667	0.750	1.000	1.250	1.500	1.750	2.000	2.250	2.500	3.000	3.500	
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	4.87	3.22	3.15	3.03	2.75	2.55	2.34	2.17	2.03	1.91	1.81	1.51	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	1.89	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	2.23	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	2.72	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	

first chose the floor thickness, and the distance for the upper beam, after that take the number for the lower beam and you get the max space between the prop

