

## *Vistaform slabs*



ISO 9001

BUREAU VERITAS  
Certification

Nº 7002938



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# VISTAFORM SLABS



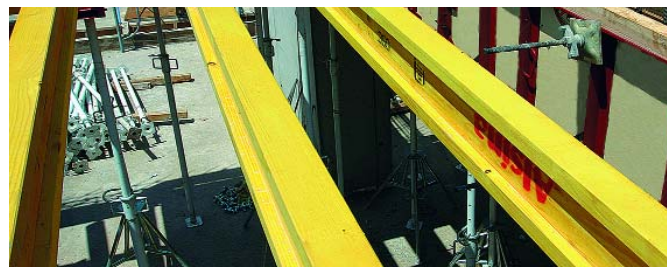
## ► Quick and versatile



The Vistaform Slab System allows the distribution of the beams and the shoring in accordance with the weight of the slab to form.

The use of the formwork beam brings versatility to the project, facilitating the meeting with walls and hanging joists, because of the possibility of overlapping the wooden beams with each other and responding to the structural particularities of each project.

## ► Alsina HT wooden beam



The structure of the Vistaform Slab System is made up of wood beams in both directions (primary beam and secondary beam).

The HT Beam, made in solid wood, offers high resistance and durability because of its profile and the protection against damages and chips on its ends.

It offers several important advantages such as: stable levels and forms, adaptable to multiple uses, as well as resistance and durability.

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## → System for fair-faced concrete slabs

Traditional formwork system for exposed slabs composed of structural wood beams, supported by support elements such as the Alisan Post-shore or the Alisan Scaffolding System. Both shoring systems are height adjustable.

The Vistaform Slab System allows the distribution of the beams and the shoring in accordance with the weight of the slab to form. It also facilitates the meeting with walls and hanging joists with the ability to overlap the wood beams with each other. In order to achieve a fair-faced concrete finish, the system uses phenolic resin-coated plywood as the formwork surface. The Alisan range of Panels can also be used.

The Vistaform Slab System includes the following accessories for its assembly:

- Alisan and Europrop A3 post-shores
- Alsina CL-40 Shoring System
- Range of Alisan Panels
- Alsina phenolic resin-coated plywood
- Alsipercha (Alsina Fall Prevention System)
- Safety Railing
- Alisan tripod
- Finish plate
- Alisply Side-shutter

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### ► Compatible



Vistaform Slabs, as well as any type of Telescopic Post-shore, permits the use of different shoring systems based on the height of the slab, such as: Alsina's shoring systems CL-40 (see page 144) or AR-80 (see page 136).

### ► Smooth finish



The Vistaform Slab system can use different forming surfaces, depending on the concrete finish requirements of the project.

For an architectural finish, use phenolic resin-coated plywood boards, a surface that provides excellent quality, with the minimum amount of joints and large surfaces without marking the concrete.

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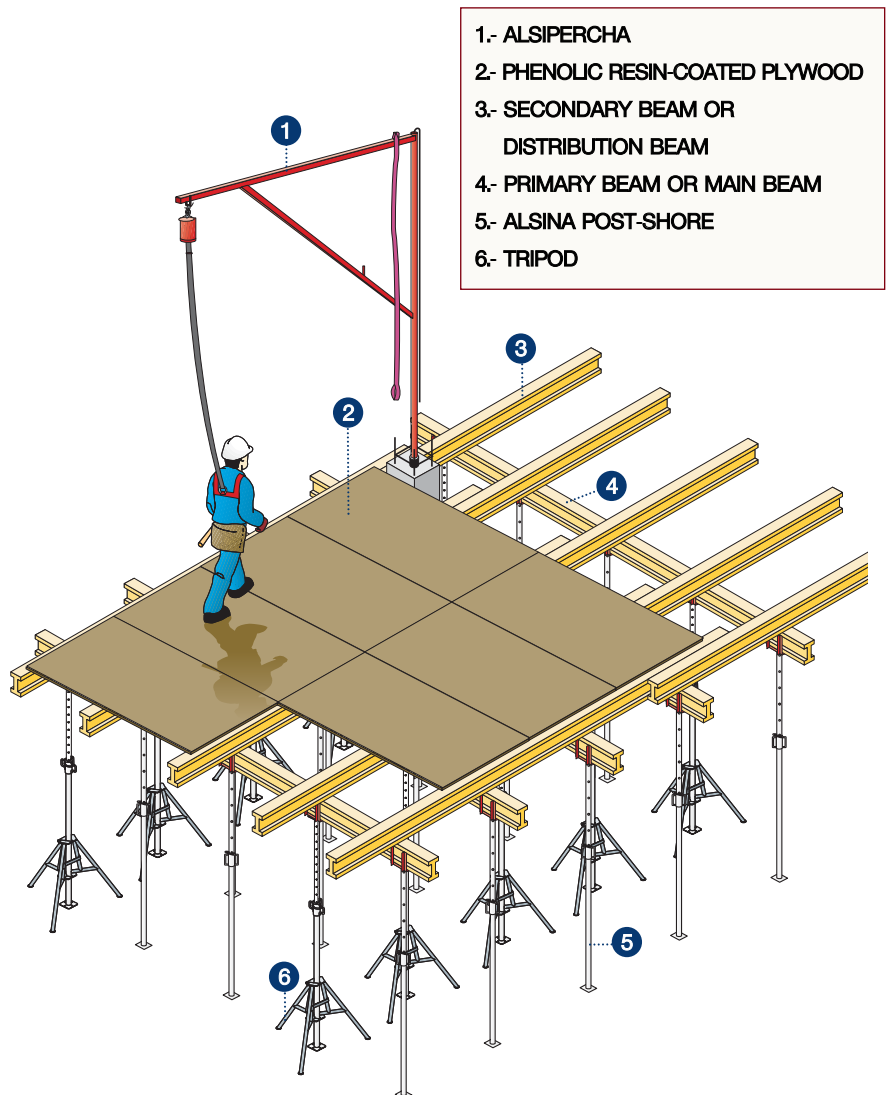
# Characteristics of the Vistaform Slab System

## main and secondary beams

The beams for HT-20 formwork are made of solid wood and are traditionally used because of their versatility.

## TC HT-beam support

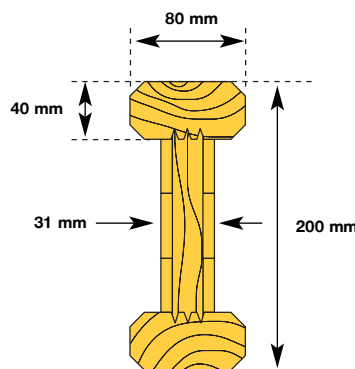
The TC beam support secures the beams in their aligning and can hold up either one or two beams, depending on their direction.



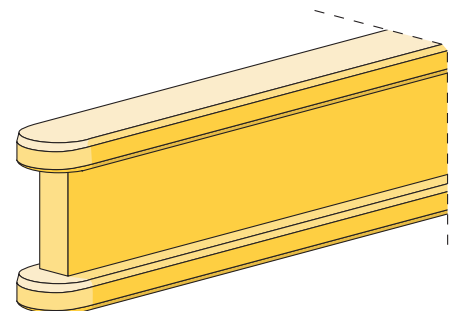
## HT-20 wood beam

The HT Beam, made of solid wood, in addition to its high resistance and durability, also has the following characteristics:

- Stable levels and forms
- High quality gluing
- Protection on the ends against damages and chips
- Reduced weight (5 kg/m)



Mzul = 5.0 kNm  
Qzul = 11.0 kN



THE ROUNDED FRONT MAKES THE BEAM RESISTANT AND DURABLE AGAINST HITS AND CHIPS

# Characteristics of the Vistaform Slab System

## weights

Distance between beams based on the weight of the slab.

PHENOLIC OF 18 MM	SLAB EDGE (cm)	WEIGHT* (kg/m <sup>2</sup> )	DISTANCE BETWEEN MAIN BEAMS A (m)	DISTANCE BETWEEN SECONDARY BEAMS B (m)	**MAX. DISTANCE BETWEEN POST-SHORES 1,000kg C (m)	***MAX. DISTANCE BETWEEN POST-SHORES 2,000kg C (m)
	15	594	2.50	0.57	0.80	1.30
	20	750	2.00	0.52	0.80	1.25
	25	906	2.00	0.50	0.66	1.05
	30	1063	1.50	0.47	0.75	1.20
	35	1219	1.50	0.45	0.66	1.05
	40	1375	1.00	0.42	1.00	1.40
	45	1531	1.00	0.40	0.80	1.25
	50	1688	1.00	0.40	0.70	1.15
	55	1844	1.00	0.40	0.65	1.05
	60	2000	1.00	0.38	0.60	0.95
	65	2156	1.00	0.37	0.55	0.90
	70	2313	1.00	0.36	0.52	0.80
75	2469	1.00	0.35	0.49	0.77	
80	2625	0.66	0.35	0.69	1.15	

BOARD OF 27 MM	SLAB EDGE (cm)	WEIGHT* (kg/m <sup>2</sup> )	DISTANCE BETWEEN MAIN BEAMS A (m)	DISTANCE BETWEEN SECONDARY BEAMS B (m)	**MAX. DISTANCE BETWEEN POST-SHORES 1,000kg C (m)	***MAX. DISTANCE BETWEEN POST-SHORES 2,000kg C (m)
	15	594	2.60	1.00	0.78	1.60
	20	750	2.50	0.83	0.64	1.20
	25	906	2.40	0.78	0.55	1.10
	30	1063	2.30	0.74	0.50	1.00
	35	1219	2.00	0.71	0.50	0.80
	40	1375	1.50	0.68	0.58	1.00
	45	1531	1.50	0.65	0.52	0.90
	50	1688	1.00	0.63	0.71	1.15
	55	1844	1.00	0.61	0.65	1.10
	60	2000	1.00	0.60	0.60	1.05
	65	2156	1.00	0.58	0.56	1.00
	70	2313	1.00	0.57	0.52	0.80
75	2469	1.00	0.56	0.49	0.80	
80	2625	0.66	0.55	0.69	1.10	

### FIGURES ACCORDING TO EHE

\* Considering a safety coefficient of 1.25 and overload of use.

\*\* The resistance of the post-shore is over 1000 Kg since the tube is put at least 40 cm inside the body (the edge of the two beams).

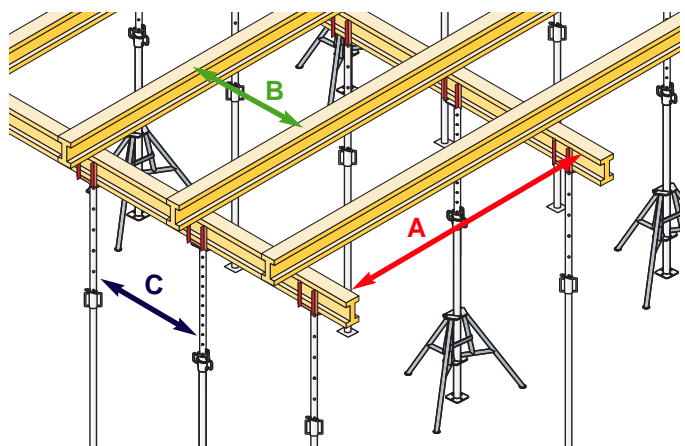
\*\*\* The limitation is not the resistance of the post-shore nor the base jack but the bending of the primary beam. Figures related to 2000 Kg post-shores are equivalent to Alisan Scaffold base jack.

## Alsitec

The number and layout of the post-shores depends on the variables shown in the Table of the weight of the slabs.

Alsina's technical office "ALSITEC" offers the best solution based on the specifications and characteristics of each project.

- A- DISTANCE BETWEEN MAIN BEAMS
- B- DISTANCE BETWEEN SECONDARY BEAMS
- C- DISTANCE BETWEEN POST-SHORES



## Applications of the Vistaform Slab System

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