

## Alucubetas



ISO 9001

BUREAU VERITAS  
Certification

Nº 7002938



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# ALUCUBETAS

## Maximum saving of concrete

Recoverable formwork system for making two-way slabs with reusable injected polypropylene domes.

Alucubetas uses basically the same components as the Alumecano system, in addition to the special components for being able to use the different ribs on the market and satisfying the current fire standards. Alucubetas includes accessories for its assembly, such as:

- Alisan tripod.
- Europrop A3 /Alisan Post-shore.
- Alisan range of panels.
- Mecano Safety Railing.
- Side-shutter.
- Alsipercha.



Document of Technical Suitability granted by the Eduardo Torroja Institute for Construction Science of the CSIC to the Formwork System **ALUMECANO-ALUCUBETAS**, Madrid May 30 2005, with number 466.



### ▶ Alisan Dome: resistant, versatile and compatible



**RESISTANT DOME AND STRAIGHTER RIBS:** the new design of the Alisan Dome prevents breakage and deformations and provides straighter ribs maintaining flexibility for easy form removal.



**DURALUMIN:** Drop head made with structural aluminum alloy for resistance and lightness  
**QUALITY FINISH:** structural components made of high resistance and painted steel.  
**INTELLIGENT DESIGN:** elements with closed ends to protect them from concrete debris.



**IT IS A SOLUTION FOR THE LARGE VARIETY OF RIBS ON THE MARKET**  
The system offers a solution for the standard ribs on the market (12 and 16 cm) and the special ones (14, 15, 18 and 20).

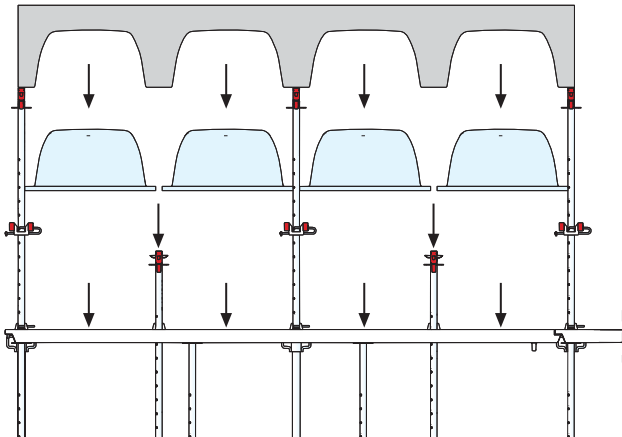


**REMOVABLE THREE DAYS AFTER POURING CONCRETE**  
80% of the standard components of the Alucubetas System are removable 3 days after pouring concrete so that they can be used again in the next work phase.

## Stripping of the Alucubetas System

### first phase

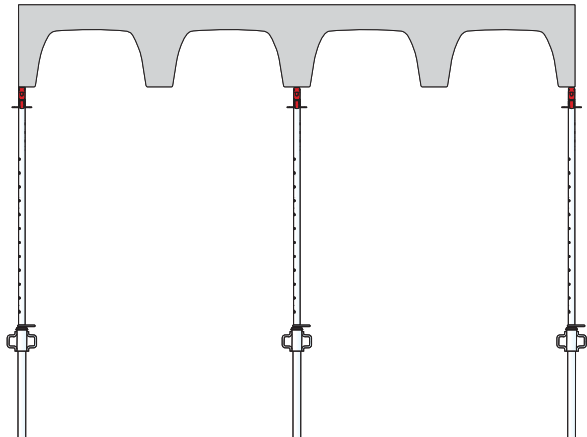
Three days after pouring concrete, the Primary Beams, Alucubetas Secondary Beams, Drop Heads, the Domes, the Boards and the proportional part of the Post-shores are removed for reuse.



- 1.- REMOVE THE MAIN BEAMS
- 2.- REMOVE THE SECONDARY BEAMS WITH DROP HEADS, FREEING THE DOMES FOR THEIR REMOVAL

### second phase

Only one continuous line of Secondary Beams every 1.6 m is kept until 21 or 28 days later when the concrete reaches the proper strength. In special cases, the shoring will be left every 2.4 m.

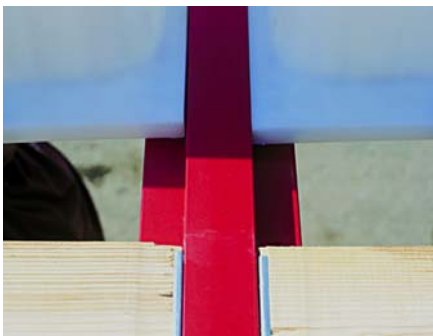


- 3.- ONLY ONE LINE OF SECONDARY BEAMS EVERY 1.6 M REMAIN SHORING UP THE FLOOR ALUCUBETAS ALLOWS AN IMPORTANT SAVING OF CONCRETE.

## Characteristics of the Alucubetas System

### secondary beam with flanges

The standard Secondary Beams of the Alucubetas System are designed for the support of the dome, its profile and manufacturing provide a safe, stable and resistant support for the Alisan Dome and the Alisan reinforced board.



### alisan dome

The Alisan Dome of injected polypropylene is designed to prevent breakage and deformations. Its design provides quick and easy form removal, saving concrete and ending up with straighter ribs.



### manufacture

The Alsina Group maintains strict quality control over all their products. The mass productions of our products means that we can offer maximum quality at very competitive prices.



## Applications of the Alucubetas System

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