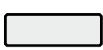


Vineyard Posts and Lintels

Applications



Vineyard Posts



Lintels

VINEYARD POSTS AND LINTELS



FIELD APPLICATIONS

AGRICULTURE,
BUILDING CONSTRUCTION

PRODUCED BY

SLIPFORMER *sf* - WET CASTING *wf*

ELEMENT DIMENSIONS

CAN BE CUSTOMISED

SLIPFORMER *sf*



WET CASTING *wf*



Vineyard posts and lintels are prestressed concrete elements that have a constant cross section. They are manufactured using high tensile strength prestressed wires or single wire which are embedded within the element.

The production of these elements is achieved using our Slipformer or Wet Casting machines that cast continuously on a long production bed without the need of any formworks.

The square or rectangular posts have many applications.

The square posts are used extensively in agriculture for vineyards, fruit production, animal enclosures and to support irrigation systems.

The rectangular posts are used in building construction as door and window lintels.

BENEFITS

- Trouble-free element handling
- Easy to install
- Large production volumes with uniform cross sections even with different cable reinforcement configurations
- Assured quality by using specific equipment for the manufacture of the concrete elements combined with a high end quality control system
- The ability to change the dimensions of the concrete elements and the prestressed steel wire configuration according to the technical specifications of the element required. It is a quick and simple operation to change the necessary parts of the forming insert of the casting machine to vary the height and the thickness of the concrete elements
- Excellent rigidity during the loading, unloading, lifting and installation. When compared to other non prestressed elements of the same height these products offer more rigidity and less deformation under load and consequently are less likely to suffer surface cracking
- In the agricultural sector, the high rigidity can help the post stand up to the tough working environment of automatic harvesting equipment. Furthermore, with the use of good quality aggregates combined with excellent concrete compaction prestressed posts limit plant disease and are very resistant to the outdoor environment over a long period of time
- The produced elements have high load resistances thanks to a low water/cement ratio of concrete from 0.32 to 0.38. In fact to produce the same profiles using traditional methods would require higher water/cement ratios and need expensive formworks. Even though the low water/cement ratio employed makes the concrete hard to work, NORDIMPIANTI's machines have no difficulty producing particular element shapes with a high level of reliability
- Prestressed lintels are normally chosen for use with load bearing wall structures, since putting the lintel in the walls does not affect the load bearing capacity of the vertical structure



- The use of high tensile strength prestressed strands, wires or single wire means that the prestressed elements have smaller cross sections using concrete more efficiently and thus achieving elements of the highest quality. Smaller cross sections mean lighter panels reducing the cost of transport and allowing easy handling both on-site and in the production plant.



Prestressed Vineyard Posts and Lintels

produced by the best quality casting machines available

VINEYARD POSTS



FIELD APPLICATIONS

AGRICULTURE

PRODUCED BY

SLIPFORMER *sf* - WET CASTING *wf*

ELEMENT DIMENSIONS

60x60 mm • 70x70 mm • 80x80 mm
90x90 mm • 100x100 mm

SLIPFORMER *sf*



WET CASTING *wf*



The posts are used extensively in agriculture for vineyards, fruit production, animal enclosures and to support irrigation systems.



PRESTRESSED CONCRETE POST (with square surfaces)

See the photo: **60 mm** wide **60 mm** high



H x W (mm)	Weight (Kg/m)
60x60	8.7
70x70	11.8
80x80	15.4
90x90	19.5
100x100	24



PRESTRESSED CONCRETE POST (with round surfaces)

See the photo: **60 mm** wide **60 mm** high



H x W (mm)	Weight (Kg/m)
60x60	7.4
70x70	10.3
90x90	16.9



Slipformer **sf** machine



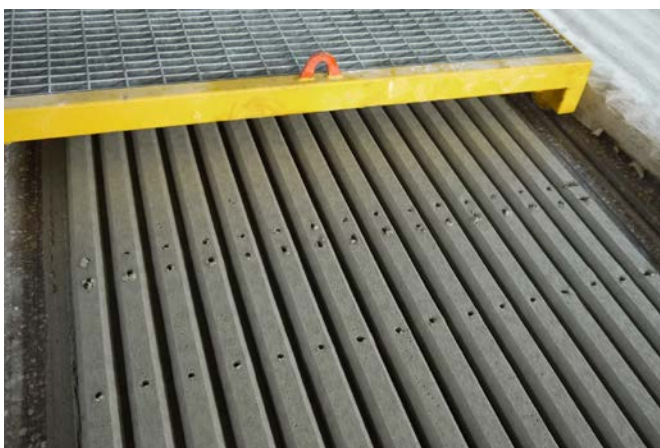
Wet Casting **wf** machine



Excellent surface finish



Applications



In the agricultural sector vineyard posts may need holes for steel wire supports to pass through the elements.



The holes are made on fresh concrete with a special drilling machine directly on the production bed immediately after the casting by the Slipformer.

LINTELS



FIELD APPLICATIONS
BUILDING CONSTRUCTION

PRODUCED BY
SLIPFORMER *sf* - WET CASTING *wf*

ELEMENT DIMENSIONS
65x100 mm • 100x140 mm
215x65-100 mm • 255x65 mm

SLIPFORMER *sf*



WET CASTING *wf*



The rectangular posts are used in building construction as well as door and window lintels.



LINTELS

See the photo: **65 mm** wide **100 mm** high



H x W (mm)	Weight (Kg/m)
65x100	15.6
65x150	23.4
100x140	33.6



LINTELS

See the photo: **255 mm** wide **65 mm** high



H x W (mm)	Weight (Kg/m)
215x65	33.5
215x100	51.6
255x65	39.8



An excellent surface finish is achieved with a special smoothing device mounted on the rear of the Slipformer **sf** casting machine.



TROUBLE-FREE ELEMENT HANDLING • QUICK AND EASY INSTALLATION • LARGE PRODUCTION VOLUMES • HIGH ELEMENT RIGIDITY • ASSURED QUALITY • HIGH DURABILITY AND LOAD RESISTANCE

nordimpianti  **Concrete Experience**



Vineyard Posts and Lintels

Applications



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