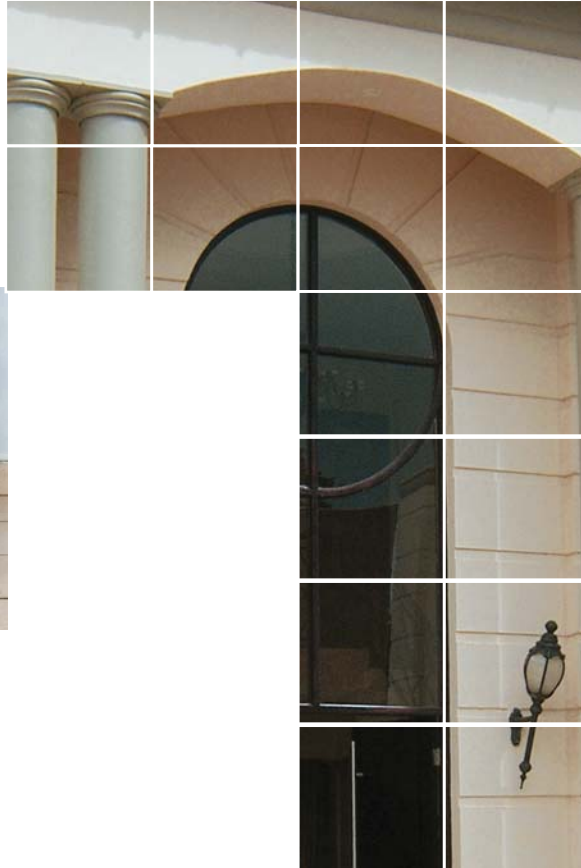


nutec
ROOFING AND CLADDING SOLUTIONS

Building Columns

Longer - Stronger - Lighter



EVERITE Nutec building columns are used in many and varied applications.

EVERITE Nutec building columns are **manufactured from Portland cement and a combination of natural and man-made organic fibres**, resulting in a strong, dense and durable material which strengthens with age and which is resistant to organisms such as fungus, bacterial decay and biological attacks.

As permanent shuttering for concrete, Nutec building columns form an integral part of the structure performing a practical function as well as being aesthetically pleasing due to the true circular shape and naturally good outside finish. No further treatment such as plastering is necessary.

In many coastal areas constraints such as sand dunes, vegetation and steep terrains make the use of conventional strip foundations costly and time consuming. Nutec building columns, placed on concrete bases and filled with reinforced concrete, used to support the elevated main structure, will avoid massive foundation work and back filling which would otherwise be required.

Nutec building columns are supplied in their natural colour, but are compatible with a large variety of in situ applied coatings and paints. This allows the designer even greater flexibility for blending the columns into the style of the project.

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Catalogue Information

The information contained in this catalogue serves as a general guide only and should not be accepted as the standard for all construction. Consult EVERITE for designs of a special nature.

This service is provided free of charge and without obligation, but architects, engineers and specifiers must finally approve the acceptability in terms of the design and construction criteria, as well as other implications.

Column Designs

Where Nutec building columns are designed as load bearing structures in buildings, they should be considered as a permanent shuttering only and the reinforced concrete core on its own should have the capacity to withstand all movement and axial loads. The lightest class of pipe can therefore be used, as it only has to withstand the installation loads.

The design of the concrete core requires professional expertise and should be executed by a professional engineer.

Nutec building columns should be stacked on a flat level surface and should be handled carefully to avoid damage to the column or column ends.

General Installation Guidelines

- Although Nutec building columns are asbestos-free, it is still recommended that the creation of excessive dust be avoided.
- Determine whether any cut-outs in the column are required for service, water outlets, bolts etc. and cut out before the column is placed in position.
- When setting up a column on a concrete base, the column must be kept in position by framing the base of the column with a timber frame which is nailed down to the concrete base. A similar timber frame to which the stays for bracing can be attached should be fixed to the top end of the column.
- Ensure that the reinforcing steel is properly positioned.
- While pouring the concrete check the bracing and ensure that the column is in a plumb position and that the reinforcing remains correctly positioned. Concrete in longer columns should be done incrementally to avoid the Nutec building column from bursting open at the base.
- **Do not tap sides of column with a hammer to distribute the concrete, use a concrete vibrator.**
- **Do not lean ladders against the column for pouring of concrete, use platforms.**
- **Clean off excess concrete which may have splashed onto the column before it hardens.**
- **Bracing can be removed after a minimum of 48 hours.**

Product Range - Building Columns

Product No.	Diameter mm	length mm	Wall thickness mm (Nominal)
758-001	200	2 000	9.5
758-002	200	2 500	9.5
758-003	200	3 000	9.5
758-032	200	5 000	9.5
758-004	250	2 000	9.5
758-005	250	2 500	9.5
758-006	250	3 000	9.5
758-033	250	5 000	9.5
758-007	300	2 000	9.5
758-008	300	2 500	9.5
758-009	300	3 000	9.5
758-034	300	5 000	9.5
758-085	350	2 000	12.5
758-083	350	2 500	12.5
758-084	350	3 000	12.5
758-064	350	5 000	12.5
758-065	400	5 000	12.5
758-066	450	5 000	12.5
758 025	500	5 000	12.5

Product Range - Headers and Footers

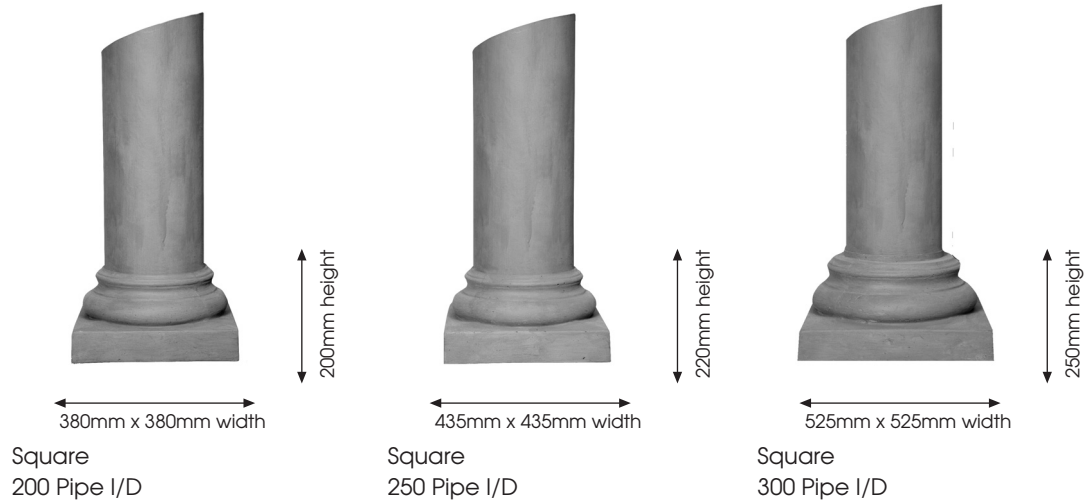
Product No.	Description	Size	Diameter Ø
583 075	header	380x380x200h	200mm
583 073	header	435x435x200h	250mm
583 071	header	525x525x220h	300mm
583 074	footer	380x380x200h	200mm
583 072	footer	435x435x200h	250mm
583 070	footer	525x525x220h	300mm

Application

- As permanent supports for simple garden structures such as pergolas and verandas. Consult EVERITE for the correct diameter to be used.
- As supports for single and multiple carports where a reinforced concrete fill would normally be required.
- As a permanent shuttering for structural columns where the reinforced concrete core must on its own be able to meet the structural capacity required for the individual applications.
- For other diameters/lengths please consult EVERITE.

In every case the design of the concrete core will require the expertise of a professional engineer.

Headers and Footers are not structural components, they are for aesthetic purposes only.



Lightweight.
Header Pipe fits on spigot.
Footer Pipe fits in centre.

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