

FAST- BUILD STRUCTURAL COLUMNS for RC FRAME CONSTRUCTION

VTK Columns



- Accelerate floor-to-floor turnaround times for deck / table formwork
- Position up to 40 columns per day with a small team (5 columns / hour)
- Immediately self-stable; no propping required
- Installation by project contractor under dedicated Verteka supervision
- Installed cost similar to insitu column construction

Dimensions

Square Columns	Min:	200 X 200 mm
	Max:	450 X 450 mm
Rectangular Columns	Thickness:	200 to 450 mm
	Length:	No limit (i.e wall-column)
Maximum Height:	4500 mm	

Specifications

Concrete Grade:	C32/40
Reinforcement Ratio:	up to 6%
Compressive Strength:	similar to RC Column
Unfilled column weight:	50-200 Kg/m ht. (function of size & rebar)
Fire rating:	as required for Building Control
Finish:	boarded - ready for decoration
Designed to:	BS 8110 EN 1992-1-1:2004
Tensile strength across floor joint - as required for robustness	



Switching to VTK Columns

- Project team provide column loads to Verteka
- Verteka detail column reinforcement and fire protection
- Verteka manufacture columns at dedicated factory
- Lead time 5 to 8 weeks
- Just-in-time delivery to site (48 hours notice)
- VTK columns upended off transport; directly positioned atop prior VTK column (or foundation key)
- Table formwork constructed
- VTK columns plumbed and tied off, base gasket applied
- Slab reinforcement laid incorporating tie reinforcement simply positioned into VTK column
- Concrete VTK columns just prior to (or concurrent with) slab concrete pour
- VTK Columns have no formwork to strike (VTK columns use PSF technology **)

