

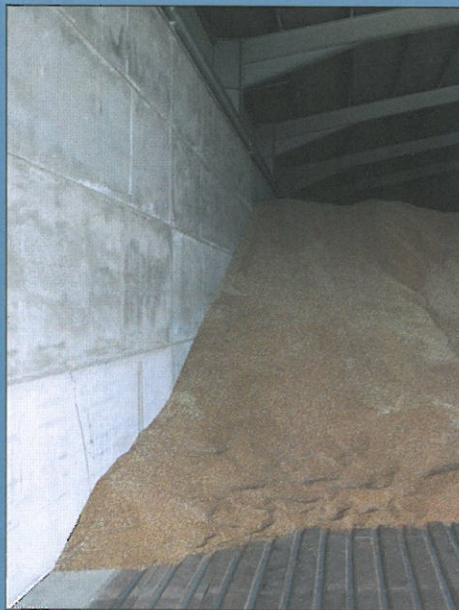


ACP (CONCRETE) LIMITED

HIGH QUALITY PRESTRESSED CONCRETE PANELS

- ◆ **Designed** to BS5502 Part 22
- ◆ **Interlocking** horizontal and vertical units
- ◆ **Quick, easy installation** results in shorter build programme and earlier floor laying date.
- ◆ **'Foundation free'** horizontal panels means that installation is not affected by the prevailing weather conditions
- ◆ **Made to measure** lengths up to 20' (6.085m). Panels fitted to the column face give a smooth finish.
- ◆ **Single or Double loading** to suit perimeter or division walls.
- ◆ **90° wall to floor joint** makes for easy cleaning between batches and reduces the likelihood of damage to machinery.
- ◆ **Various fixing options** allow all, part or none of the load to be passed to the building structure
- ◆ **Off site production** - Panels arrive on site ready to use, no curing time required.

Grain Stores



Panels fitted to the column face give a smooth finish.



Panels use a simple clip system to fix to the building.



Division walls can be constructed using double loading horizontal panels fitted between column webs (above) or using freestanding vertical cantilever panels cast into the floor slab (below).



Prestressed concrete wall panels are robust, durable and easy to clean.



A QUALITY PRODUCT

ACP prestressed concrete panels are manufactured to the highest quality standards in factory controlled conditions.

Quality precast concrete products demand high quality raw materials. Our concrete is mixed on site in a 'state of the art' 80m³/hour batching plant. Quality control runs right back to the quarry with our parent company, the Thomas Armstrong Group, supplying all the bulk components of the mix.

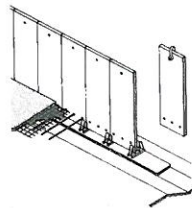
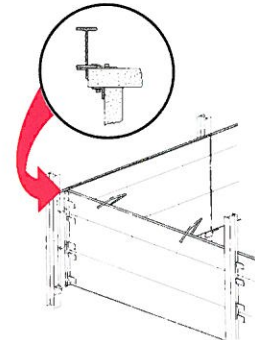


INSTALLATION & TECHNICAL SPECIFICATION

HORIZONTAL PANELS

Load passed to the building structure

ACP horizontal panels are quick and easy to install. The panels are fixed to steel columns using bolts and cleats supplied (see diagram). The simple installation means panels can be quickly dismantled for use on another location or refigured to meet changing circumstances. Polyurethane joint sealant is applied to give a water tight seal. Used as a dividing wall, double loading panels can be fitted between the column webs.



VERTICAL PANELS

Freestanding, full load passes to the foundation

The panels are installed in a simple concrete trench foundation using cradles and reinforcing bars supplied. This system provides a smooth freestanding single or double loading wall with a perfect 90° wall / floor joint. These panels can be designed and manufactured to provide freestanding walls to over 6m high.

DIMENSIONS

Thickness	145mm	180mm	280mm
Width (Half)	500mm, 600mm	On Request	On Request
(Full)	1000mm, 1100mm 1200mm, 1500mm	1000mm, 1100mm 1200mm, 1500mm	1200mm
Length	Any length up to approx. 7m. Stock lengths to suit bay sizes of 4.572m (15') and 6.096m (20')		

LOAD/SPAN TABLE

Bay Width	Max. Storage Heights Standard Single Side Loading Units (BS5502 Class 2)									Vertical Double Loading Units			
	145mm			180mm			280mm			145mm	180mm	280mm	
	LF	FS	LFS	LF	FS	LFS	LF	FS	LFS				
4.500m	10.0m	7.0m	5.6m	10.0m	9.6m	8.0m	10.0m	10.0m	10.0m	LF	4.8m	5.4m	6.1m
5.500m	10.0m	4.6m	3.9m	10.0m	6.3m	5.3m	10.0m	9.7m	8.4m	FS	3.7m	4.1m	4.8m
6.000m	8.8m	3.9m	3.1m	10.0m	5.3m	4.4m	10.0m	8.2m	7.1m	LFS	3.3m	3.8m	4.5m

Key: LF = Level Fill FS = Full Surcharge LFS = Level Fill + Stirrers

For more information please visit our website



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