



ACP (CONCRETE) LIMITED

PRECAST CONCRETE PANELS

- ◆ Designed to Eurocode 2 and CE marked.
- ◆ Robust, Durable, High Strength Walls.
- ◆ Quick and Easy to install.
- ◆ Prestressed Concrete Panels.
 - > Horizontal panels - foundation free, no wet trades. Single or double loading. Span between steel columns.
 - > Prestressed vertical cantilever panels - provide economical, variable height retaining walls.

Benefits:

- > High Impact Resistance - prestressing enables the units to flex under load.
- > Small Footprint - Thin section panels occupy little of the available storage area.
- > 90° Wall to Floor Joint for easy outloading.
- > Fire rated 1 – 4 hours.
- ◆ Precast Arrow Panels provide movable walls up to 4m high.
 - > Instant walling, ideal for existing buildings.

Waste Recycling & Biomass Storage Walls



Push Walls 5m high - 280mm thick vertical cantilever prestressed concrete panels.



Bio-fuel store under construction at UPM-Kymene in Deeside.



Portable Arrow Panels are ideal for temporary division walls and bunkers in existing buildings. Available up to 4m high.



Concrete panels are ideal for recycling bays and picking stations being low maintenance and robust.



**BRITISH
PRECAST**

A QUALITY PRODUCT

All ACP Wall Panels are manufactured to the highest quality standards in factory controlled conditions. Quality precast concrete products demand high quality raw materials. ACP's concrete is mixed on site in an 80m³ per hour batching plant and quality control runs right back to the quarry with ACP's parent company the Thomas Armstrong Group controlling the supply of all the bulk components of the mix. All ACP Products are CE Marked. Design calculations, if required, can be provided by our in-house engineering department.



Maximum Safe Load Spans/Heights

			Horizontal 145mm	Horizontal 145mm	Horizontal 180mm	Horizontal 180mm	Horizontal 280mm	Horizontal 280mm	Vertical 145mm	Vertical 180mm	Vertical 280mm
Material	Density	Profile	5.0m Span	6.0m Span	5.0m Span	6.0m Span	5.0m Span	6.0m Span	Class 2	Class 2	Class 2
Woodchip	300kg/m ³	Level Fill	10m	10m	10m	10m	20m	20m	6.0m	6.0m	10m
	45°	Surcharged	10m	10m	10m	10m	20m	20m	4.9m	5.5m	7.3m
Mixed Waste	1000kg/ m ³	Level Fill	8.8m	6.1m	10m	8.3m	20m	15.4m	3.8m	4.2m	5.6m
	30°	Surcharged	3.9m	2.7m	5.3m	3.6m	9.8m	6.8m	2.9m	3.2m	4.2m
Organic Waste	500kg/m ³	Level Fill	10m	10m	10m	10m	20m	20m	4.5m	5.0m	6.6m
	30°	Surcharged	7.1m	4.9m	9.6m	6.7m	18m	12.5m	3.5m	3.9m	5.2m
Aggregates	1900kg/ m ³	Level Fill	4.6m	3.2m	6.2m	4.3m	11.7m	8.1m	3.0m	3.4m	4.5m
	30°	Surcharged	2.0m	1.4m	2.7m	1.9m	5.1m	3.6m	2.3m	2.6m	3.4m
Top Soil	1340kg/ m ³	Level Fill	8.0m	5.6m	10m	7.6m	20m	14.1m	3.7m	4.1m	5.4m
	35°	Surcharged	3.2m	2.2m	4.4m	3.0m	8.2m	5.7m	2.7m	3.0m	4.0m
Compacted Paper	420kg/m ³ 30°	Surcharged	9.3m	6.4m	10m	8.7m	20m	18.6m	3.8m	4.3m	5.7m

The above figures are guidelines only, if your material or bay span is not listed please call and we will recommend the correct section/panel type for your site. Outloading machinery size, speed and impact loading should also be considered.

INSTALLATION

The ACP Wall Panels can be delivered and installed by the same professional team. Units are regularly installed with a telehandler further reducing the cost and time to complete the project. Outputs of 350m³ are regularly achieved with a team and a single telehandler.

To find out more please call 01889 598660
or email sales@acp-concrete.co.uk



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