

C r o s s

concrete flooring ltd.



Specialists in Precast Concrete Flooring



Stephen Harkin and John Harkin, Company Directors.

COMPANY PROFILE

Vision, experience, ability and ambition

Cross Concrete Flooring Ltd., based in the North West of Ireland, was established to satisfy a niche in the market place for a fast, flexible, and personal service to the building industry.

Established in January 2005, we pride ourselves on our extensive experience within the precast concrete flooring industry.

We currently supply to both the UK and Irish market place and our efficient and reliable service ensures that all new customers become repeat clients.



PRODUCTS

The expertise to succeed

Cross Concrete Flooring Ltd. has extensive experience in the design and production of precast flooring units, prestressed flooring units and prestressed wall panels. We also supply precast stairs and associated landings. Bespoke precast items including balconies and terrace units are available to order. In response to market demand Cross Concrete Flooring Ltd. have diversified into the agricultural sector.

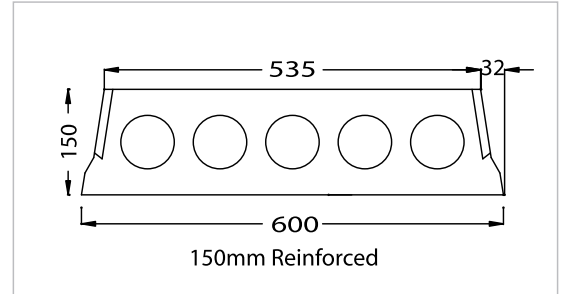
Cattle slats, mixing slats, precast beams, head to head cubicles, single cubicles and drinkers are now available in our product range.

Our latest innovative product is our Cross 2000 gallon liquid storage tank. This unique tank can be adapted for use in the residential, agricultural and commercial sectors.



TEL: (028) 71301488 Email: technical@crossconcreteflooring.com

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150 DEEP HOMEFLOOR

PRODUCTS

150 Deep Homefloor - Allowable Loads to BS 8110

Effective Span (M)	1	1.5	2	2.5	3	3.5	4	4.5	5
Type A	31.1	19.9	14.5	11.2	9.1				
Type B			17.1	13.3	10.7	8.9	6.1		
Type C				15.2	12.3	10.2	8.2	4.7	
Type D					13.8	11.5	9.8	6.6	3.7

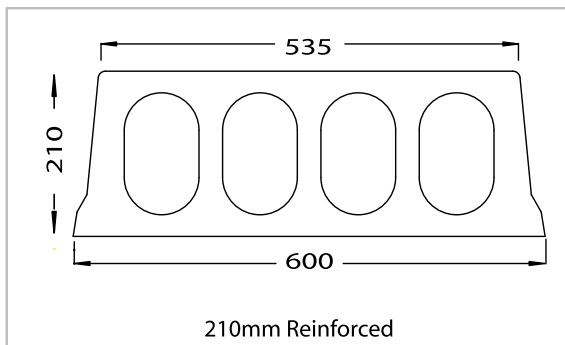
- Self Weight 2.5kN/m² ungrouted, 2.7kN/m² grouted
- Allowance should be made for finishes eg; 0.2kN/m² for timber battens, 2.4kN/m² for 100mm sand /cement screed
- Load capacity can be enhanced with the use of structural screed
- For special / individual cases, contact our technical department

Guidance Notes:

- Domestic Loading 1.5kN/m²
- Stud partitions 1.0kN/m²
- Special cantilever slabs also available

ADVANTAGES

- Large stock - therefore flooring immediately available
- All raw materials are certified to relevant British Standards
- Suitable for a wide range of finishes
- No creaking joists
- Durability - not subject to rot / deterioration
- No precamber - ideal for finishing trades
- Soundproof
- Fire resistant- standard product achieves at least 1 hour fire rating without soffit finishes



PRODUCTS

210 DEEP HOMEFLOOR

210 Deep Homefloor - Allowable Loads to BS 8110

Effective Span (M)	1	1.5	2	2.5	3	3.5	4	4.5	5	6
Type B	28.3	20.6	16	12.9	10.7					
Type C			18.3	14.8	12.3	10.5	9			
Type D						11.8	10.3	9	6	
Type E							11.4	10	7.1	5.0

- Self Weight 2.5kN/m² ungrouted, 3.02kN/m² grouted
- Allowance should be made for finishes eg; 0.2kN/m² for timber battens, 2.4kN/m² for 100mm sand /cement screed
- Load capacity can be enhanced with the use of structural screed
- For special / individual cases / concentrated loads / openings etc; contact our technical department

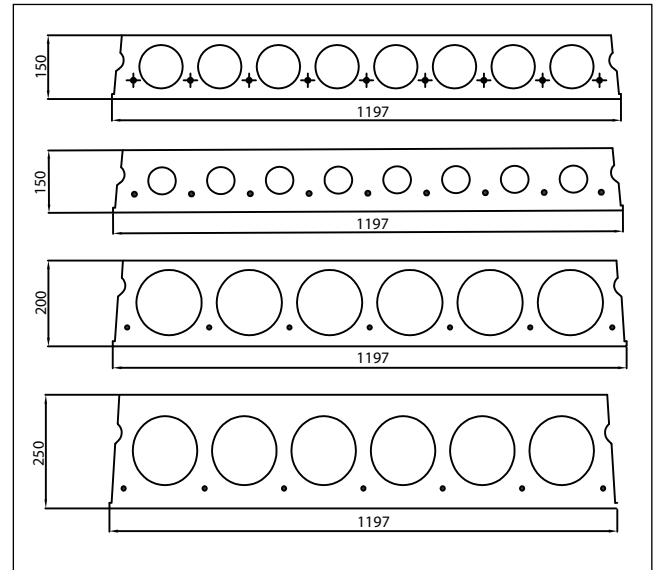
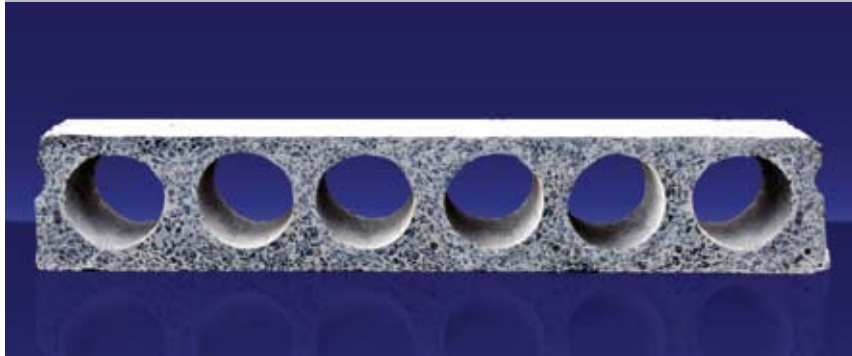
Guidance Notes:

- Domestic Loading 1.5kN/m²
- Stud partitions 1.0kN/m²
- Special cantilever slabs also available

ADVANTAGES

- Large stock - therefore flooring immediately available
- All raw materials are certified to relevant British Standards
- Fitted floor provides an immediate platform for following trades
- Suitable for a wide range of finishes
- No creaking joists
- Durability - not subject to rot / deterioration
- No precamber - ideal for finishing trades
- Subject to design, in most cases the upper floor walls can be solid block
- Soundproof
- Fire resistant - standard product achieves at least 1 hour fire rating without soffit finishes

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PRESTRESSED

- 150 Deep Standard Prestressed
- 150 Deep Sound Slab
- 200 Deep Prestressed
- 250 Deep Prestressed

Prestressed Concrete Flooring - Load/Span data (For Guidance Only)

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
150 Deep	68.1	47.0	31.8	22.6	16.7	12.7	9.7	7.3	5.4	3.9							
150 Sound Slab	67.7	46.6	31.4	22.2	16.3	12.3	9.3	6.9	5.0	3.5							
200 Deep				41.1	30.8	23.7	18.6	14.9	12.0	9.8	7.9	6.2					
250 Deep							24.1	19.3	15.6	12.8	10.5	8.6	7.0	5.8	4.7	3.8	3.0

Self Weight (Grouted)

150 Deep Standard Prestressed 2.63kN/m²

150 Deep Sound Slab 3.03kN/m²

200 Deep Prestressed 3.10kN/m²

250 Deep Prestressed 4.15kN/m²

- Prestressed flooring is suited to commercial developments as well as residential and agricultural projects
- Prestressed flooring units have a wider range of capability than homefloor units
- The unique strength of the flooring units will provide greater spanning capabilities than homefloor
- This type of flooring unit can be manufactured to incorporate job specific requirements i.e. cantilevers, reduced ends, solid ends, open cores, service openings and complete progressive collapse
- These flooring units can be supplied with a high quality finished soffit eliminating the need for a suspended ceiling
- Quite often, prestressed flooring units will also eliminate the need for additional costly bearing support i.e. blockwork and steelwork



STAIRS



ADVANTAGES

- Minimise site labour
- Speed of construction
- Factory finish
- Fire proof
- No creaking

Precast stairs and landings provide immediate access to site personnel and following trades. Installation is fast, easy and safe. The units can be manufactured to carry the heavy loadings required in public buildings. Cross Concrete Flooring Ltd. stairs and landings are manufactured in a factory controlled environment so we can provide the finishes required for both internal and external use.

All precast stair flights and landings are designed to have one hour fire protection. Our structural engineers can design stairs and landings to meet individual requirements.

Contact our technical department for further information

TEL: (028) 71301488 Email: technical@crossconcreteflooring.com

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Redrow Development, Cheshire



Barratt Homes, Manchester



Edge Hill University, Lancashire



Prestressed and Homefloor on private dwelling at Portglenone



Private dwelling near Letterkenny



Stairs installed at Station Road, Portstewart.



concrete flooring ltd.

LOCATION



Head Office/Production Facility

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