

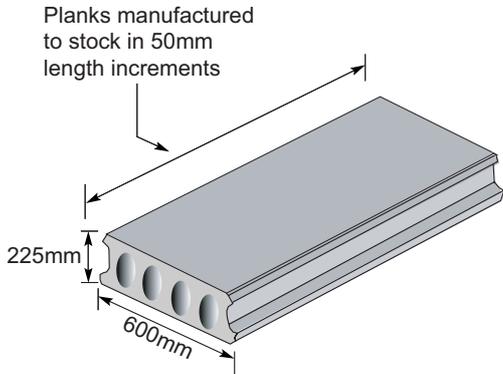
225mm RC Hollowcore Plank

Data sheet RC-225
August 2004

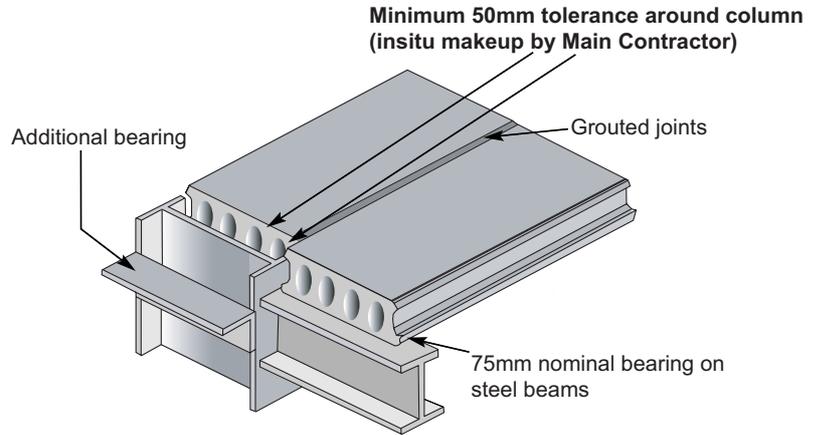


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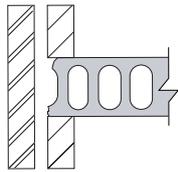
Telephone: 01 787 223 931
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Fax (Beam / Block Design): 01 787 220 522
Fax (Hollowcore / PC Design): 01 787 220 566
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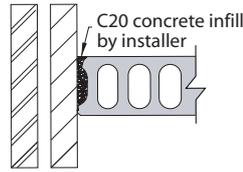
600mm Wide Unit = 175kg/m run
m² (Inc Grout) = 335kg/m²
or 3.29kN/m²



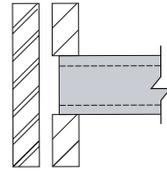
TYPICAL SECTIONS



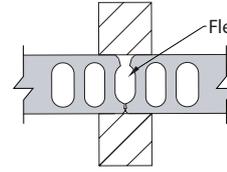
A-A



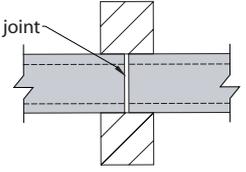
B-B



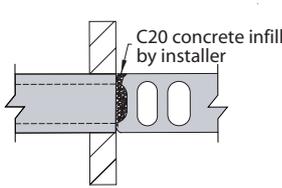
C-C



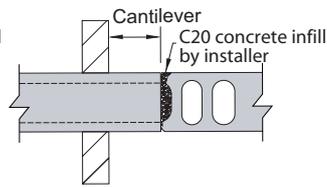
D-D



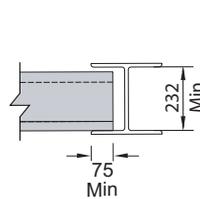
E-E



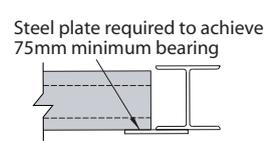
F-F



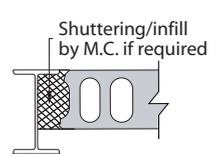
G-G



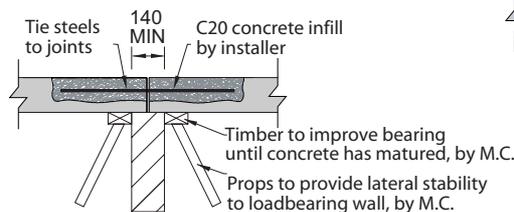
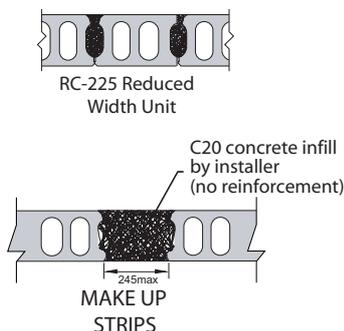
H-H



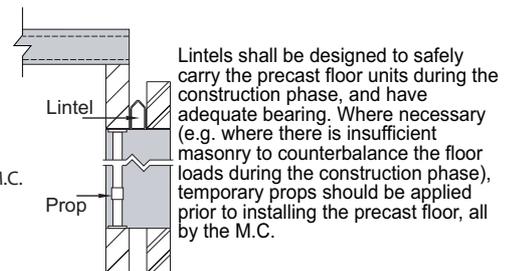
J-J



K-K



SHARED BEARINGS ON 140mm WALLS

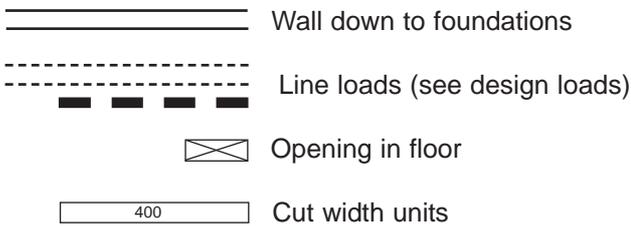


LINTELS: TEMPORARY STABILITY CONSIDERATIONS

Lintels shall be designed to safely carry the precast floor units during the construction phase, and have adequate bearing. Where necessary (e.g. where there is insufficient masonry to counterbalance the floor loads during the construction phase), temporary props should be applied prior to installing the precast floor, all by the M.C.

MILBANK^{RC} Hollowcore Plank Flooring

1. Key to drawing



2. Design

The hollowcore floor planks are designed to comply with the Building Regulations.

3. Loadings

The loadings for which the floors are designed are shown on Milbank Floors Ltd drawings.

The Main Contractor shall ensure that these design loads are not exceeded during construction.

4. Dimensions

The Main Contractor shall check and approve all setting out dimensions shown on the drawings and return a copy of the drawings "signed as approved", before a delivery date can be agreed.

The planks, which are manufactured in 50mm increments, will be to the lengths shown on Milbank Floors' final drawings.

Reinforced hollowcore planks are manufactured in 600mm widths. Cut width units will be supplied to the widths indicated on the layout drawings.

Floor unit layout drawings are based upon normal tolerances. Adjustment of the joint widths, or insitu concrete make up may be required between floor units to complete the floor area; the erectors shall carry out this work.

5. Installation

Access and hard standing shall be provided by the Main Contractor for a mobile crane and transport as stated in Milbank Floors Ltd quotation.

The Main Contractor shall re-route and/or remove and reinstate any overhead obstructions (including parts of the structure e.g. purlins, cross bracings etc.) that may hinder the installation of the flooring units by fouling the crane boom or suspended loads.

All bearing surfaces must be constructed to the correct level, be true and mature at the time of installing the floor units.

For ground floors the Main Contractor shall supply and bed all D.P.C.'s under the floor bearings before the floor units are installed.

Under floor voids should be ventilated to comply with Building Regulation and N.H.B.C. requirements.

6. Holes

150mm Diameter holes will be core drilled before delivery to site. Square/Rectangular holes indicated on Milbank Floors' layout drawings are to be carefully cut on site by the installers. Other holes should only be formed after Milbank's designers have checked the design.

7. Grouting

The purpose of grouting the floor is to provide an effective shear key for the transmittal of loads between adjacent units.

The grouting material shall be either 20N/mm² concrete with a 20mm max. aggregate, or as specified by the Engineer.

The floor units should be wetted prior to placing the grouting materials, which should be compacted into the joints from the top.

Joints will not be filled with grout in situations where a structural topping is required. (e.g. composite floors.)

8. Ceiling Finishes

The hollowcore planks are cast on steel pallets, have featured joints, and are suitable for direct decoration after suitable preparation.

The Main Contractor shall make good any air holes, joints between the planks, and/or rubbing down mould marks.

Plaster or textured paint finishes, may be applied to the Hollowcore planks in accordance with the manufacturers instructions. (Plaster manufacturers may recommend the use of a bonding agent.)

Proprietary site drilled anchor systems are suitable for fixing suspended ceilings.

Shot firing of fixings is not recommended