

FIB GUIDE TO GOOD PRACTICE

Taskgroup 6.1

Pre-stressed hollow core floors

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Goal:

Update of Recommendation of 1988.

State of the art 2007

Content

1. General

2 Description of hollow core units

2.1 Product description

2.2 Methods of manufacturing

3. Connections

3.1 Ties and struts

3.2 Connections

3.3 Diaphragm action of the floors

4. Detailed design

- 4.1 Load distribution
- 4.2 Cross section design
 - Shear, moment, torsion
 - Slim floor constructions
- 4.4 Punching

5. Design Considerations

- 5.1 Deformation of hollow core slabs
- 5.2 Fire resistance
- 5.3 Large openings
- 5.4 Sound insulation
- 5.5 Hollow core slabs subjected to dynamic loadings
- 5.6 Vibration and natural frequency

6. Special aspects

- 6.1 Design consideration in connection with manufacturing
- 6.2 Tolerances
- 6.2 Drainage holes
- 6.3 Slippage

7. Special applications

- 7.1 Pipe floors
- 7.2 Insulated hollow core floors
- 7.3 Climate floors

Annex

example calculations as background
information

Timetable

- New chapter list
- January 2008:some writers has to give their information
- April 2008 overview of all chapters in new draft
- December 2008 rewriting chapters in one format.
- 2009 Finishing Recommendations