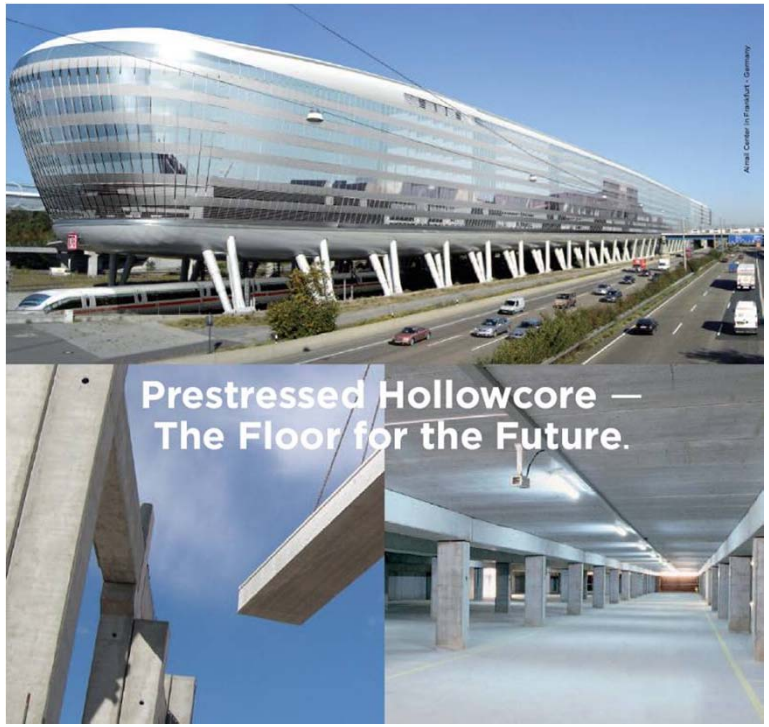
INTERNATIONAL PRESTRESSED HOLLOWCORE ASSOCIATION

fib-recommendations
Precast prestressed hollow core floors
Commission 6 – TG 6.1



Stef MAAS

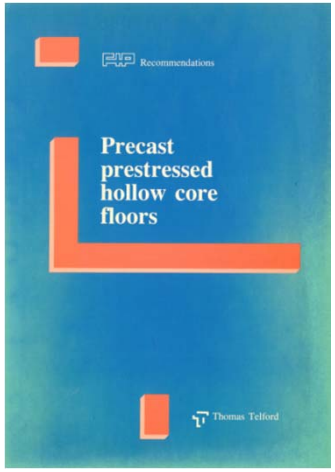
IPHA Technical Seminar

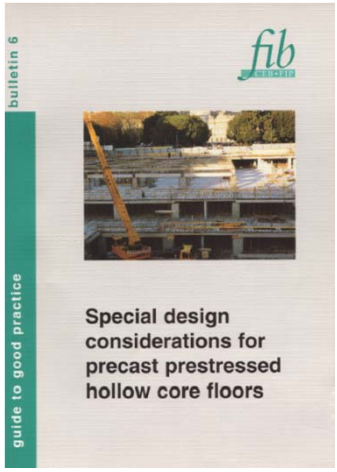
October 26th – 27th 2011

Aachen (GE)

History

- ….
- 1988 - Precast prestressed hollow core floors (Thomas Telfort),
- 2000 - Special design recommendations for precast prestressed hollow core floors
- 201x – Main work item of TG 6.1





Members of the taskgroup

- 17 members;
- 7 present at Technical Seminar in Aachen;
- IPHA is well represented.

Andrzej	Cholewicki	Poland
Arnold	Van Acker	Belgium
Arto	Suikka	Finland
Barry C.	Crisp	Australia
Bruno	Della Bella	Italy
Gösta	Lindström	Sweden
Íria Lícia Oliva	Doniak	Brasil
Kim S.	Elliott	U.K.
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Matthieu	Scalliet	France
Olli	Korander	Finland
Philippe	Mary	France
Ronald	Klein-Holte	Netherlands
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Stef	Maas	Belgium
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Chapters

Version september 2011

7 Chapters

1	General
2	Description of hollow core units and floor systems
3	Design of the cross-section
4	Design of hollow core floors
5	Building physics
6	Design considerations in connection with manufacture
7	Other design considerations

Chapter 2

Description of hollow core units and floor systems

2.1 Product description

2.2 Methods of manufacture

Chapter 3
Design of the cross-section

Chapter 4
Design of hollow core floors

Chapter 5
Building physics

5.1 Thermal properties

5.2 Thermal active floors

5.3 Acoustic properties

Chapter 6

Design considerations in connection with manufacture

6.1 Dimensional tolerances

6.2 Slippage of prestressing tendons

6.3 Crack control

6.4 Surface characteristics

6.5 Drainage holes

6.6 Test methods

Chapter 7

Other considerations (production-erection)

7.1 During casting

7.2 Immediately after casting

7.3 Sawing of slabs

7.4 Lifting of slabs

7.5 Storage

Thank you

- For your attention

Special thanks to the members of the T.G. , especially to Arnold Van ACKER.