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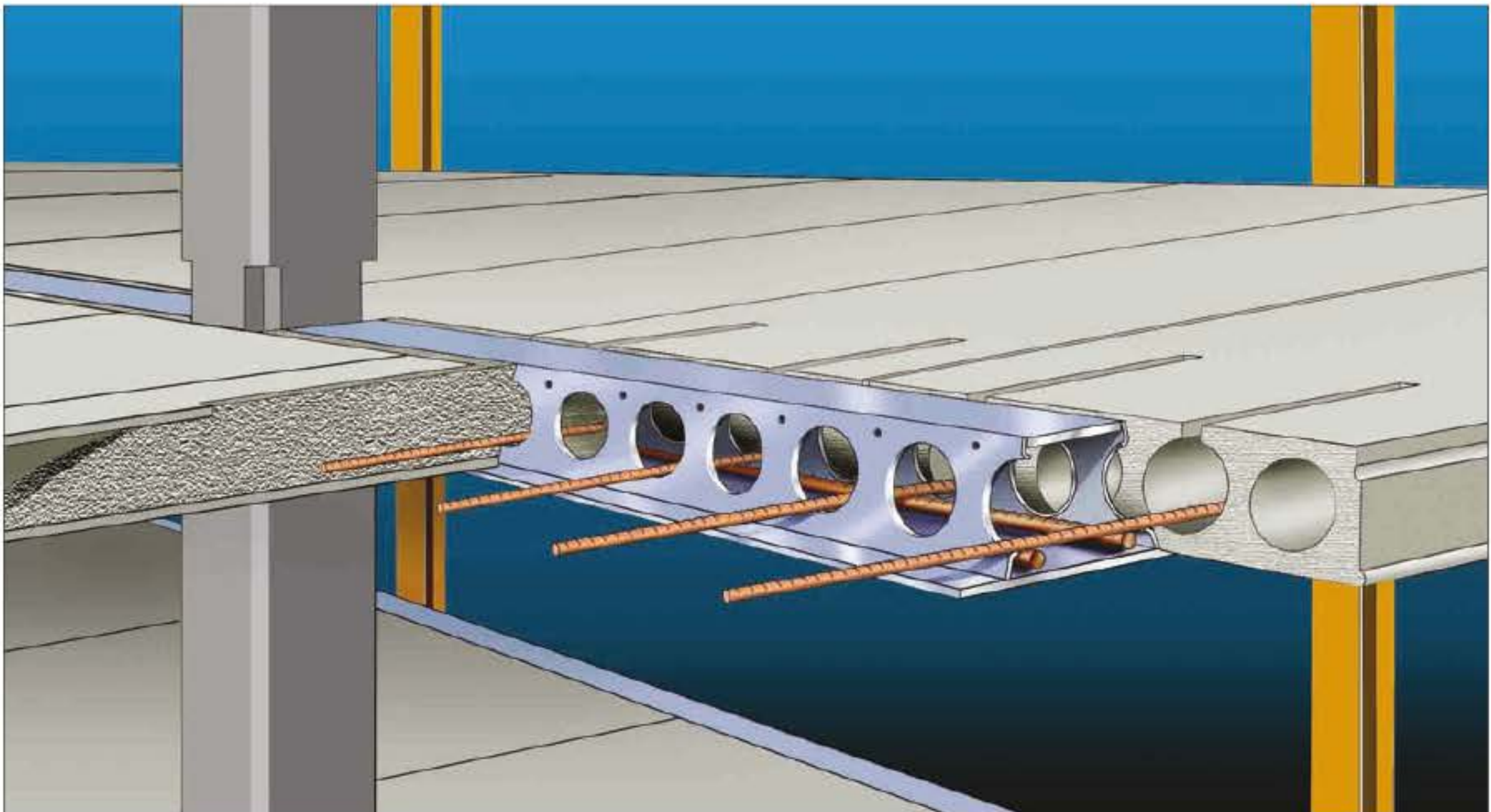
**Agreement
Certificate
No 05/4204**

*Certificate amended 12 January 2009**

Designated by Government
to issue
European Technical
Approvals

DELTABEAM

Poutre composé
Verbundträger

Product

- THIS CERTIFICATE REPLACES CERTIFICATE No 03/3989 AND RELATES TO DELTABEAM, A RANGE OF STEEL BEAMS FILLED WITH IN-SITU CONCRETE AND USED TO SUPPORT FLOOR SLABS.

- Deltabeams are fabricated from steel plates welded to form a trapezoidal box section with ledges on either side of the bottom flange.

- Deltabeams are fabricated by Teräspeikko Oy Deltatek, P O Box 104, FIN-15101, Lahti, Finland.
Tel: 00 358 3 812316,
Fax: 00 358 3 7330152.

Regulations**1 The Building Regulations 2000 (as amended) (England and Wales)**

The Secretary of State has agreed with the British Board of Agrément the aspects of performance to be used by the BBA in assessing the compliance of beams with the Building Regulations. In the opinion of the BBA, Deltabeam, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant requirements.

Requirement: **A1**

Loading

Comment:

The beams will have adequate strength and stiffness. See sections 7.4 and 7.5 and 8.1 to 8.5 of this Certificate.

Requirement: **A3**

Disproportionate collapse

Comment:

Individually designed installations incorporating the beams will contribute to enabling a structure to meet this Requirement. See section 7.7 of this Certificate.

Requirement: **B3(1)**

Internal fire spread (structure)

Comment:

Floors incorporating the beams can be designed to have a fire resistance of between 30 minutes and 120 minutes. See sections 9.1 and 9.2 of this Certificate.

Requirement: **Regulation 7**

Materials and workmanship

Comment:

The product is acceptable. See section 12.1 of this Certificate.