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CPD Overview

Leviat, a CRH company, is a global leader in connecting, fixing, lifting and anchoring technology for the construction industry. Leviat's engineered products and innovative construction solutions are used in a variety of market segments from residential to infrastructure, enabling users to build better, stronger, safer and faster. The company employs 3,000 people at 60 locations in North America, Europe, Asia and Australasia. Our trusted product brands are synonymous with high performance, quality and reliability, and include Ancon, Halfen, Helifix, Isedio and Thermomass. From the safe handling of precast concrete elements and highly engineered concrete connections, to the support of architectural façades and innovative ways to improve thermal and acoustic performance, there are few areas of a structure that are not improved by our construction solutions. In addition to new-build construction, our competencies extend to structural repair systems for renovation work and flexible framing solutions for industrial applications.



Available CPD Material (3)



The Correct Use of Wall Ties & Head Restraints

In this seminar, we discuss best practice in the selection and installation of common masonry fixings, focusing on cavity wall ties, frame cramps, channel restraint systems and head restraints.

By the end of the CPD you should have a greater understanding of:

- The importance of wall ties and how they contribute the structural stability of masonry walls.
- The correct way to specify a wall tie, based on tie type, length and density.
- What is best practice for the installation of wall ties.
- How head restraints contribute to the structural stability of masonry panels.
- Wall tie thermal efficiency and allowance for movement.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness



Support and Restraint of Masonry Cladding On Framed Buildings

In this seminar, we discuss best practice in the selection and installation of common masonry fixings, focusing on cavity wall ties, brickwork support systems and windposts. You will gain a better understanding of what products are used for different applications including supporting brickwork above horizontal movement joints and offering lateral support to masonry wall panels.

By the end of this CPD delegates should know:

1. About connecting two leaves of masonry and tying masonry back to the structural frame.
2. How to support brickwork above horizontal movement joints.
3. How to offer lateral support to masonry wall panels.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness



Considered Facade Solutions for Complex Applications

In a continuously changing architectural landscape, building designers are employing innovative techniques to create visually stunning façades that are both functional and sustainable. Understanding the complexity of façade construction is crucial for architects, engineers and building professionals in order to keep control over the design process and to keep within budgeted construction costs.

Increasing changes to regulations have resulted in the slab edge zone becoming extremely congested as we see fire barriers, for example, being incorporated. This makes for a more complex design, and we must consider how all components required in the slab edge area can work in conjunction with each other. This seminar delves deeper into wall ties, damp proof coursing, large cavities, pier arrangements, as well as slab zone components such as balcony connectors and fire barriers, discussing how they can potentially impact the design of masonry support systems.

Material type:

Seminar

Classifications

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*