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Available CPD Material (6)

**How to Secure Façade Plinths**

A plinth should be designed to protect the façade and walls above the ground against dampness, dirt and damage. It should equally constitute a decorative element in the building. This article will explore the variants of plinth thermal insulation, design details of insulated inset plinth and the application of ceramic finishing on a plinth. It will also examine the design details of non-insulated inset plinths and plinths over the terrace. Through the article you will gain an understanding of:

- Plinth design and ceramic finishing on a plinth
- Variants of plinth thermal insulation
- How to arrange layers on various types of plinth
- How to secure plinth area against mechanical damage

Material type: Article

RIBA Core Curriculum: **Design, construction and technology**Knowledge level: Microlearning



Internal Wet Area Damp Proofing

When choosing materials for rooms such as kitchens, bathrooms, or any other that may have any contact with water or may be affected by increased humidity, it is strongly recommended to consider damp proofing. Damp proofing protects wet zones of buildings against ingress of moisture. The type of damp proofing is closely associated with the moisture load and room or building designation. The inappropriate selection of materials and method of application in wet zones can cause immense damage such as tiles coming off, paint flaking, crystallising salt or even presence of fungus which can result in costly and difficult repairs. This article explains how to distinguish wet, damp and dry zones in a room, how to choose appropriate products and how to apply them in proper way. It will help you to understand the following topics:

- The 'why' behind damp proofing
- How to distinguish, wet, damp and dry zones in a room
- What layers should be included when applying damp proofing
- How to apply damp proofing

Material type: Article
 RIBA Core Curriculum: **Design, construction and technology**
 Knowledge level: Microlearning



ETICS Fire Safety

This CPD looks at the regulations and requirements related to the fire safety of External Thermal Insulation Composite Systems (ETICS). The article will help you to understand the following topics:

- The relevant Building Regulations and standards related to External Thermal Insulation Composite Systems
- The fire classification of construction products
- Issues around the correct installation of External Thermal Insulation Composite Systems
- How to recognize the fire classes for External Thermal Insulation Composite Systems

Material type: Article
 RIBA Core Curriculum: **Design, construction and technology**
Health, safety and wellbeing
 Knowledge level: General Awareness



Professional Flooring Solutions

This article looks at different types and structures of concrete flooring and the criteria for selecting floor finishes and screeds. The article will help you to understand the following topics:

- How to identify the different types of concrete floors
- The structural elements of the different layers that make up complete flooring solutions
- The difference between cement and anhydrite based screeds

Material type: Article
 RIBA Core Curriculum: **Design, construction and technology**
 Knowledge level: General Awareness



Render Choice Depending on the Environment Conditions

This CPD looks at the many factors that need to be considered when selecting an appropriate render taking into account the specific building and its location. The article will help you to understand the following topics:

- The importance of appropriate render choice
- How to identify factors which impact building facades in the city centre or city outskirts
- The correlation between wall structure and possible finishes
- The difference between old and newly constructed buildings in terms of render use
- How to match render colour to a particular building
- The correlation between wall structure and possible finishes
- The difference between old and newly constructed buildings in terms of render use
- How to match render colour to a particular building

Material type:

Article

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



Thermal Insulation: The Road to the Summit

This seminar looks at the reasons for thermal insulation and how to achieve thermal comfort. It will help you to understand the following topics:

- The reasons for thermal insulation
- The different types of insulation materials available
- The correct technical specification for thermal insulation including substrates, priming, board fixings and rendering
- Common errors when specifying thermal insulation and how to avoid them

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness

Classifications

Subject/Product Areas (CI/SfB)

Substructure

Floor beds, ground floors, basements > Tanking, guniting, grouts

Structure

Floors, including beams > Floor insulation

Finishes

Finishes > Floor and roof screeds, aggregates

Wall finishes: external > External wall coatings

Wall finishes: external > External insulation of external walls

General products

Plaster, render > Plasters and renderings

Adhesives, sealants, gaskets > Adhesives

Paints, varnishes, protective treatments etc. > Paints and primers

Paints, varnishes, protective treatments etc. > Waterproof paints, coated dp membranes

Mortars, limes > Mortars

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *Microlearning*

Health, safety and wellbeing

Knowledge level: *General Awareness*