Case study

Structural Fill EPS - Seen in a "whole new light" at the Scottish National Gallery

Product	Structural Fill EPS 250
Application	Raising Floor Levels with Lightweight EPS

In the centre of Edinburgh, the £22m Scottish National Gallery project will create a new suite of exhibition spaces that will be directly accessible from the adjoining Princes Street Gardens. Providing a light-filled new home for visitors from all over the world.

The new access through the Princes Street Garden entrance which will become the main point of entry to the Galleries is supported by Sundolitt Structural Fill EPS.

The lightweight yet strong blocks are being used to raise the existing floor level to create easy access for all. Ensuring families can enjoy everything the Gallery has to offer.

Sundolitt Structural Fill EPS has an exceptional strength to weight ratio reducing pressure on underlying structures. It provides a firm foundation when changing the floor levels of existing buildings.

The lightweight nature of the material reduces load on existing floor structures and exerts no lateral force on the walls. This eliminates any need to strengthen the existing structure.

With concrete placed over the Structural Fill, the contractor achieved a seamless transition into a functional building from the original 19th Century construction.

Sir John Leighton, Director General of the National Galleries of Scotland said "The project has been supported by the National Lottery Heritage Fund and Scottish Government to deliver a world class facility for showing Scotland's distinctive artistic heritage in a whole new light."

Sundolitt Structural Fill has enabled level access to be created within the existing structure without endangering any part of the existing building.

EPS Benefits

- **Load Bearing**
- **Lightweight**
- **Water Resistant**
- **Resistant to freeze/thaw**
- **ODP = 0 GWP = <5**
- **Versatile**
- **Fully Recyclable**

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