

# ROCKWOOL

## BUILDING A SUSTAINABLE FUTURE

### King's Cross Redevelopment

Thermal & Fire Protection for Community Learning Centre

---



---

#### Project Description:

A vast area of 27 hectares behind King's Cross & St. Pancras Station is currently being redeveloped, transforming it from one of the biggest derelict sites in Europe, to the most significant inner-city redevelopment in Britain since post war reconstruction.

Platform 1 is a main feature on the site and is already expanding as a community learning centre. As an educational building, flexibility is of paramount importance, and construction materials have to be chosen carefully. The building has been designed to stay cool on even the hottest days, with low level windows that draw air in and ventilate through roof lights.

#### Key Solutions:

- Rockwool insulated render
- Rockfall system
- Rockwool Fire Duct System

#### Why Rockwool?

- Rockwool insulated render keeps temperature regulated.
- The Rockfall system is vapour permeable which, in conjunction with an approved breather membrane and VCL (Vapour Control Layer), eliminates the need for ventilation above the insulation.
- The Rockwool Fire Duct System provides ½, 1, 1½ and 2 hour fire protection to rectangular and circular ventilation and smoke extract steel ductwork in a single layer application.
- The Fire Duct System is independently tested and certified to provide fire protection fully in accordance with the requirements of duct 'Type A' and duct 'Type B' of BS476:Part 24.