

# European Central Bank Innovative fire protection system for the new ECB

Within the scope of the new building of the European Central Bank (ECB) in Frankfurt/Main, G+H Insulation was commissioned to install the PYROMENT®-IK90 system in escape and rescue routes.



Insulation

Fire Protection

Noise Control

The new ECB headquarters consists of three main elements: Grossmarkthalle with new interior design, twin office tower with atrium, and new entrance building. Grossmarkthalle, a listed building, has been given a new life as a public space – with a visitor center, library, staff canteen and much more. Up to 2,900 new jobs have been created at the new ECB headquarters.

#### **CUSTOMER**

European Central Bank

#### **PROJECT**

Installation of an efficient fire protection system for escape and rescue routes

#### **PERIOD OF EXECUTION**

07/2013–06/2015

#### **LENGTH OF DUCT INSTALLED**

Approx. 10,000 m



To ensure that the new ECB headquarters be equipped with state-of-the-art fire protection technology, G+H Insulation was commissioned to install its innovative fire protection system PYROMENT®-IK90. From the outset, it was essential that the solution should occupy the minimum possible space. With a thickness of 1.6–3.0 mm and a weight of 6.5–10.5 kg/m<sup>2</sup>, the system can be installed even under challenging conditions. Moreover, the cable duct can be adjusted quickly

and easily during installation using standard tools – offering time-savings of up to 80%. In addition, the core of PYROMENT®-IK90 contains an intumescent substance that expands in case of a fire. In this way, the system reliably protects the surrounding area from the spread of fire and smoke and prevents high consequential damages. In total, G+H installed approx. 10,000 m of PYROMENT®-IK90 duct in all escape and rescue routes.



## TASK

- Provide safe and reliable protection for escape and rescue routes
- Prevent cable fires from spreading to the surrounding area
- Install a space-saving system under difficult conditions

## SOLUTION

- G+H electrical installation duct PYROMENT®-IK90, approved for fire resistance classes I 30 to I 120
- Efficient intumescent inside the duct
- Thin and light material

## ADVANTAGES

- Quick and easy installation of the fire protection system – even under challenging installation conditions
- Active containment of large-scale cable fires
- Prevention of high consequential damages