

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.

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-theart 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/m², 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



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