

PROJECT REPORT: INVISIBLE SECURITY FOR MUSEUM VISITORS



PROJECT:
James Simon Gallery

LOCATION:
Berlin, Germany

COMPLETION:
2018

APPLICATION:
Sprinkler

PRODUCT:
aquatherm red pipe

AT THE JAMES SIMON GALLERY, MODERN ARCHITECTURE MEETS AN INNOVATIVE SPRINKLER SYSTEM

Berlin now has one more attraction: the James Simon Gallery. The entrance building and visitor center of the Museum Island opened in July 2019 after about ten years of construction. In the area of fire protection, the planners opted for an innovative system that meets the highest safety requirements while performing its duties almost invisibly.

The five-story building, named after patron of the arts James Simon (1851-1932) and located directly opposite the residence of Chancellor Angela Merkel, is part of the Museum Island Master Plan. The plan is to successively repair the individual houses on the Museum Island and

to design the entire area according to today's requirements.

The James Simon Gallery has a central service function: it is a point of contact for tickets and information about the museums and also offers a café, a museum shop and an auditorium as a place for special exhibitions. It also provides access to the Pergamon Museum and one of two entrances to the Neues Museum. After completing the master plan, an "Archaeological Promenade" will connect the building underground with all five Museum Island museums and guide the public.

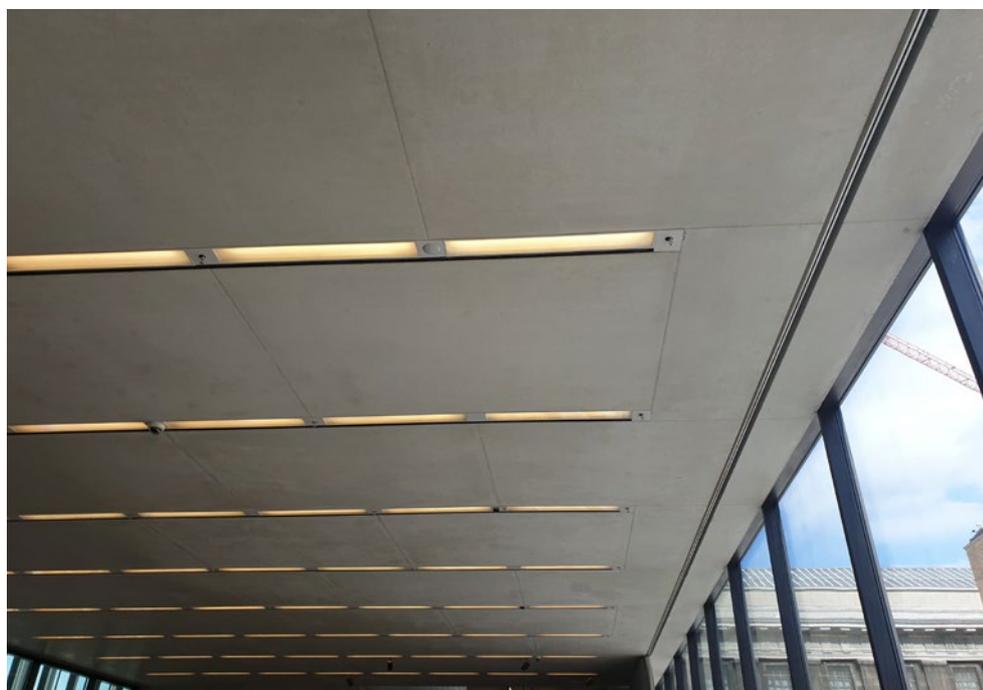
The sprinkler piping system used in the James Simon Gallery should not only provide security for

THE CHALLENGE

The sprinkler piping system of the James Simon Gallery should not only provide security, but should also be integrated almost invisibly into light strips.

THE SOLUTION

By laying in concrete, aquatherm red pipe offers an invisible protection and architectural design freedom.





visitors, staff and exhibited works of art, but also merge with the gallery's modern architecture.

A requirement of the architect was to lay the sprinkler system almost invisibly in exposed concrete in line with the light bands. To meet these requirements, the planners chose aquatherm red pipe. This is the first plastic sprinkler piping system certified by VDS Schadenverhütung GmbH, Europe's largest enterprise security institute.

aquatherm's material fusiolen® PP-R FS was developed for the special requirements of sprinkler systems and offers high safety due to its flame retardant properties and its corrosion resistance. The welding of pipe and fitting also ensures virtually leak-free connections.

Due to the installation in the concrete, only the covers of the sprinklers, which were integrated into the light strips, can be seen in the ceiling area of the James Simon Gallery.



aquatherm
state of the pipe

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