

Reference report

Fire protection in high-rise residential buildings, Berlin





Fire protection in high-rise residential buildings

A fire served as the spark for an extensive renovation project

In December of 2017, a fire broke out on the third floor of the 10-story apartment complex, then spread upward throughout the entire building. The entire complex did not need to be torn down as originally feared, but instead underwent an extensive renovation.

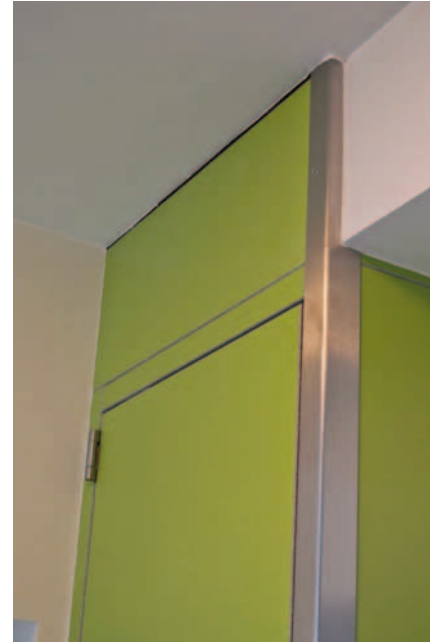
The building technology and installations were replaced to conform with current state of the art technology. This included separating the electrical installations on

all floors of the stairwell.

The PRIOWALL wall system was used as a fire-resistant bulkhead to seal off the multi-storey installation shafts from the escape route. The integrated, large-format inspection opening closures offer optimal access both for inspection work and retrofitting in the shafts.

Structural fire protection solution in combination with diverse colour design options – what would be a special project

for other solution providers is a matter of course for PRIORIT. Architects and developers took advantage of this option to choose a RAL shade of green to match the colour scheme. This shade is used in a wide variety of different points inside and outside of the building.



**Material
+ Decor
A2 Class**

**Smoke
Protection
min leakage**

**Fire
Resistance
90 Min.**

Project data:	
Project location:	Berlin
Building:	High-rise residential building, renovation
Year of construction:	2019
Solution:	Inspection closures PRIODOOR ETX PRIOWALL wall system Fire load insulation of installations across storeys
Material:	Non-combustible panel with surface coating, classification A2 – s1, d0
Fire resistance:	90 minutes
Special features:	Green decorative surface, similar to RAL 6024 according to the colour scheme

Fire protection measures adapted to the colour concept



Before: Original panelling without fire protection classification



During the construction work: Dismantling of the existing panelling



After modernisation: PRIOWALL with a fire resistance rating of over 90 min. - Version in decorative surface green similar to RAL 6024

