

## Reference report

St Stephen's Cathedral, Passau







## Fire protection in St Stephen's Cathedral in Passau

### New inspection opening closures meet historic building conservation

During the course of renewal work on electrical distribution boards, the fire protection in Passau's cathedral was also upgraded. Three large electrical distribution boards were installed at right-angles in a niche. Replacement of these distribution boards also meant that the fire protection had to be adjusted to current regulations. An escape route, which runs directly in front of the distribution boards, should also be able to be used safely in case of fire. In addition to this requirement for fire load insulation, there were further requirements: the distribution boards were to be freely accessible and ventilated, the escape route width should not be reduced and the over-

rall solution had to visually integrate into the existing building.

Our system partner WEWORE undertook the design and execution. A particular challenge was the dimensional optimisation with millimetre precision in order to satisfy the structural requirements. Last but not least, the stainless steel strips were coated white to optimise the design. Overall a great deal of effort, which was rewarded by a perfect result and satisfied customers.

A wall system with integrated inspection openings was installed, the surface was

ready-coated to the customer's wishes. Fire resistance 90 minutes, hot and cold smoke-tight.

The St. Stephan Cathedral in Passau is a Baroque episcopal church rebuilt from 1668. The Passau Dom is one of the largest cathedrals with the largest Baroque church interiors north of the Alps.

Important German artists of the time painted the altarpieces of the ten side altars. The present day five organs with a total of 233 registers and 17,974 pipes for the largest cathedral organ in the world.





**SYSTEM 42**

**Smoke  
Protection**  
min leakage

**Fire  
Resistance**  
**90 Min.**

**Material  
+ Decor**  
**A2 Class**

#### Solution:

### PRIOWALL PRIODOOR ETX

- Wall system with inspection opening closures in various sizes

#### Advantages:

- Industrially prefabricated components
- Short construction time
- Narrow construction
- No protruding components

PRIOWALL wall system with various PRIODOOR ETX inspection opening closures



**Material  
+ Decor**  
**A2 Class**

**Fire  
Resistance**  
**90 Min.**

**Smoke  
Protection**  
min leakage

**SYSTEM 42**

PRIOWALL wall system with various PRIODOOR ETX inspection opening closures



**Material  
+ Decor**  
**A2 Class**

**Fire  
Resistance**  
**90 Min.**

**Smoke  
Protection**  
min leakage

**SYSTEM 42**

#### Project data

<b>Project location:</b>	St. Stephan's Cathedral, Passau
<b>Building:</b>	Culture, monument protection, renovation
<b>Year of construction:</b>	2016
<b>Solution:</b>	Wall system PRIOWALL with inspection opening closures PRIDDOOR ETX
<b>Material:</b>	Non-combustible panel with surface coating, classification A2 – s1, d0
<b>Fire resistance:</b>	90 minutes
<b>Protection Target:</b>	Fire load insulation of electrical systems in escape and rescue routes
<b>Special features:</b>	Surface white, similar to RAL 9016; inspection opening closures PRIDDOOR ETX in various sizes, ventilation system in door leaf

This project was realised on site by our system partner:



WeWoRe GmbH & Co. KG | Dorfstraße 16  
84051 Essenbach / Altheim | Tel.: +49 8703 90575

PRIOWALL wall system with various PRIDDOOR ETX inspection opening closures