

REFERENCE

Festhalle in Frankfurt, Germany

Construction measures

- Floor coating - slip retarding systems

Type of object

- Stadiums / arenas / sport facilities

Brief description

The Frankfurter Festhalle was officially opened by the German Emperor Wilhelm II on May 19, 1909 after a construction time of just 18 months. At that time, the building was deemed "Europe's largest domed structure". During World War II the Festhalle was heavily damaged by two fires. Today, the structure forms the historical core area of the trade fair grounds in Frankfurt and is a well-known address for large events such as concerts, sport and cultural events but also company events, product introductions, congresses, exhibitions and gala dinners.

Problem to be solved

The floor which was made of capping and concrete floor was covered with a crumbled and friable screed over which there was a layer of heavily cracked, poured asphalt. There were such differences in height in some areas that

Product systems used/ size

Floor coating – slip-retarding systems (total area 3000 m²)

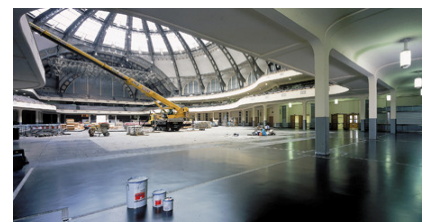
Epoxy resin screed: 300 tonnes (thickness of the layer in some areas 5-8 cm high)

Coating: Epoxyflex Coating PH

Sealant: ArtiTop m Plus



there was a high risk of tripping – an intolerable situation for Europe's most visited concert hall. Originally, steel reinforced concrete screed plus a coating was to be placed but with the rolling movements to be expected, the risk of detachment could not be ruled out. Therefore, a decision was made to use an impact resistant, epoxy resin screed made by Remmers which can withstand such rolling movements and will not form cracks when the substrate vibrates.



Executing company

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Completion

2007

GB_60327_Festhalle_Frankfurt