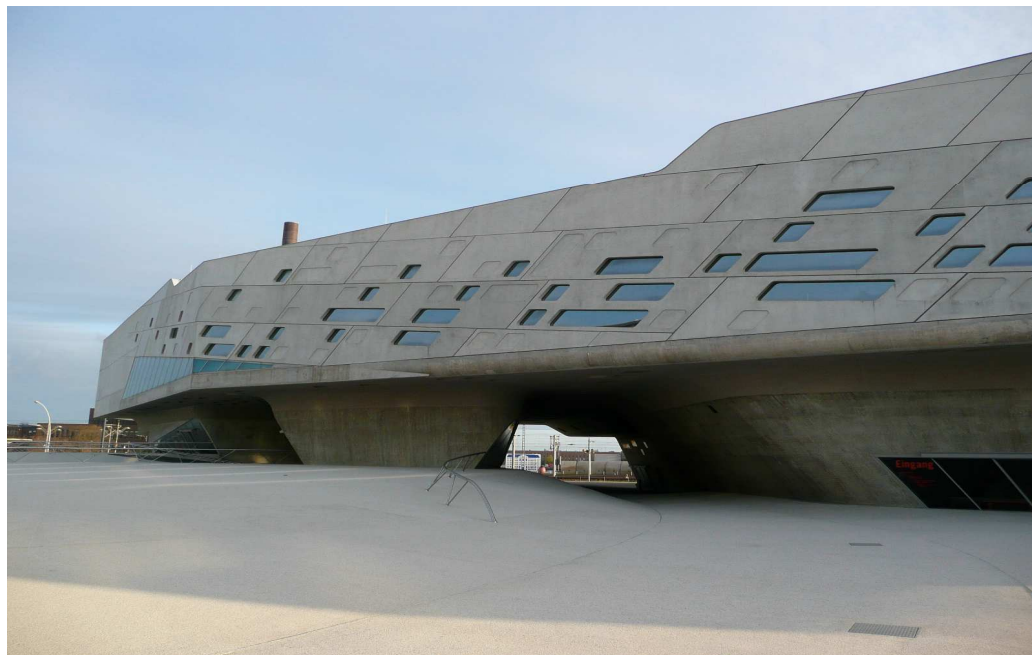
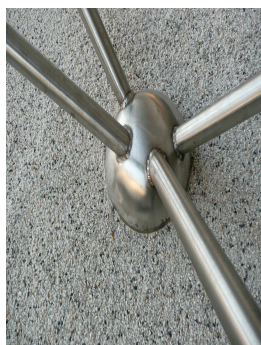
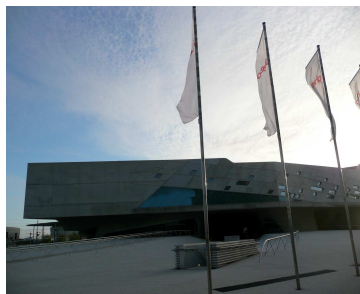


PHAENO in Wolfsburg - The World of Phenomena



Waterproofing repairs on an amorphous ceiling of an underground car park

The PHAENO is, according to the British Guardian, one of the 12 most modern buildings in the world. In November 2005 it was officially opened after 4 years of construction. The architecturally demanding design of the building could only be realised with state of the art building materials such as self compressing concrete, special formwork and particularly waterproofing systems.

In 2009 and 2010 the whole waterproofing system had to be renewed due to a massive moisture damage in the underground car park below the amorphous surface.

At the beginning of 2009 our experts were asked by the investor to come up with a waterproofing concept for the area of approx. 28.000 m². The requirements were to create a working and seamless waterproofing of high quality using synthetic resin coatings and spray elastomers from ABP-Coatings. An architectural demand was the final surface design that had to be made of natural quartz gravel. Another challenge was the amorphous design that was mastered by using light-fast 2-component-polyurethane systems from BAYER AG.

The renewal took a specialised company about a year, using partial enclosure in winter. A complex system of sealing levels below and above the accessible surface was used.

Please contact us for further technical information.

Object: PHAENO Wolfsburg: Repair of waterproofing / underground car park ceiling, approx. 28.000 m²

Setting range: AB-PUR - and AB-POX - special proofings; above and below the concrete surface

Processing: Franz Dietrich AG

Do you also want to build reliable and sustainable? Take a closer look at the high quality products "Made in Germany" by ABP-Coatings.