

Object	Natural scenery in wellness facility of luxury hotel Deimann
Date	2010
City	Schmallenberg
Execution	2010
The task	Expansion of in-house spa to superlative wellness area: Design and construction of a hamam
Size of object	Wellness facility: 3,200 m ²
Products used	PCI Pécidur, PCI Periplan Extra, PCI Nanocret 100, PCI Seccoral 1K, PCI Seccoral 2K, PCI Pécitape, PCI Carraflex, PCI Carrament, PCI Carrafug sand grey, PCI Carraferm sand grey, PCI Pavifix DM, PCI Rapidfug
Client:	Hotel Deimann GmbH & Co. KG
Designer	Walach Architectural Office, Dipl.-Ing. Peter Walach
Company	Kranauge Master Tilers, Andreas Kranauge
Technical consultants	PCI technical consultant Hubertus Dohle

Natural scenery in wellness facility of luxury hotel Deimann

Festive appearance of oriental hamam, achieved with smooth river pebbles and Brazilian quartzite

The 5 star hotel Deimann offers its guests a luxurious break from everyday life. True to its motto "For everything to stay the same, everything must change", the in-house spa was expanded in 2010 to a superlative wellness area. Those treating themselves to a hamam visit will find a place of inspiration, purification, and friendly chats. "The stylish ambience that allows the visitor to enjoy a break from everyday life, presents a number of complex challenges in terms of technical execution. On the one hand, the design requires aesthetic perfection. On the other hand, the technical implementation must be in compliance with standards and, due to the tight cleaning cycles, have a high level of resistance", summarises PCI technical consultant Hubertus Dohle the tasks of constructing the hamam. The design by architect Peter Walach successfully combines all requirements in an exemplary way. The practical implementation was entrusted to Kranauge master tilers, Eslohe.

The temperatures in the hamam remain at 40 to 60 degrees Celsius, and the average humidity at 35 to 50 %. The floor covering must in principle be anti-slip, and water vapour resistant. In addition, perfect hygienic features are essential. "When confronted with such a high demand on appearance and durability, I play it safe", says Andreas Kranauge, the specialist for tiles, flags and mosaics. "PCI products offer tried and tested solutions even for tricky details." The fundamental anatomy of the space was created by drywall elements in combination with PCI Pécidur boards - supporting elements made of high-resistance foam. To ensure precision temperature control, loops of an underfloor heating system run through the floor and the navel stone. Before starting preparations for installation, they are filled in with fibre-reinforced heated screed. At the time of installing the covering, the screed was completely levelled via the special levelling compound PCI Periplan Extra and the light repair mortar PCI Nanocret 100; the walls were sealed with the flexible waterproofing PCI Seccoral 1K. For this purpose, the special waterproofing slurry PCI Seccoral 2K was applied to floor and navel stone. The walls of the hamam, seating along the walls, as well as the sides of the navel stone were covered with softly rounded river pebbles. To attach the 30 x 30 cm mats, the flexible thin-bed mortar PCI Carraflex was used. For the installation of the Brazilian quartzite floor covering and the smooth granite of the navel stone, the medium-bed mortar PCI Carrament for natural stone was chosen. To match the natural stone, grouting was performed with the special joint grout PCI Carrafug in sand grey. Another extraordinary element of the wellness area is the lounging cave. To dissipate moisture - which enters naturally through the stone - from the building structure, the drain mortar PCI Pavifix DM was applied to the floor. It drains the water directly into the ground, allowing it to seep away. The transition from the tunnel to the wellness area is clad in quarry stones of the tunnel. Here the fast-acting flexible joint grout PCI Rapidfug in cement grey was selected.