

# JOB REFERENCE

Augsburg, 07.08.2014

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As of 2014 the Neu-Isenburg swimming pool proves to be back in top form

## **Step-by-step restoration with PCI products**

Guests at the forest-ringed Neu-Isenburg swimming pool are sure to have a great time outdoors: A swimming pool diving platform with a 5-metre diving tower, a 50-metre swimmer's pool and a large non-swimmer's pool are situated in a park covering about 2.5 hectares and featuring an old stock of trees. However in 2009 restoration became unavoidable due to substantial damage at the poolside edge of the overflow system. Because of the pool's seasonal operation the work stretched over a period of more than five years. The owner engaged the tile company Hoffelner GmbH to renew the pool edge system. The chiselling work on the diving pool began in the autumn of 2009. Four tilers were busy with the restoration non-stop. The work was always started in the autumn and – depending on the severity of the winter – resumed in the spring. All told the pool edge was repaired at a length of approx. 150 m on the swimmer's pool, approx. 180 m on the non-swimmer's pool and approx. 60 m on the diving pool. In doing so the entire existing structure at the poolside edge had to be gradually removed from each pool or prised from overflow channels and old screed mortar down to the load-bearing concrete foundation. Then the Hoffelner company's employees brought the pool edge to the required height using a PCI fast setting screed cement. Time-proven approach: carefully laid levelling mortar with PCI Novoment Z1 fast setting cement plus aggregate grain in the overflow channel as well as in the pool's raised edge section and in the pool surrounds with PCI

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Repahaft as the bonding agent. After priming with PCI Epoxigrund 390 the Hoffelner company's specialists waterproofed the pool edge with PCI Apoflex W. Tiles and overflow channels were laid with PCI FT Extra in the low void "Combined Procedure" according to DIN 18157-1; the grouting was done with reaction resin mortar PCI Durapox NT plus.

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## Object data

Object:	Outdoor swimming pool Waldschwimmbad Neu-Isenburg Step-by-step restoration with PCI products
Subtitle:	As of 2014 the Neu-Isenburg swimming pool proves to be back in top form
Location:	Neu-Isenburg
Completion year:	2014
Task:	Step-by-step renewal of the pool edge system
Object size:	Approx. 150 m on the swimmer's pool, approx. 180 m on the non-swimmer's pool and approx. 60 m on the diving pool
Products used:	PCI Novoment Z1, PCI Repahaft, PCI Epoxigrund 390, PCI Apoflex W, PCI FT Extra, PCI Durapox NT plus
Owner:	Stadtwerke Neu-Isenburg [Municipal Utilities]
Processing company:	Company: Hoffelner GmbH, Schlagfeldstraße 12, 63303 Dreieich
PCI applications adviser:	<b>Dipl.-Ing. Mr. Ingo Grollmisch</b>
Contact :	<b>PCI Augsburg GmbH</b> Piccardstraße 11 86159 Augsburg Phone: +49 821 5901-0 Fax: +49 821 5901-459 E-Mail: pci-info@basf.com www.pci-augsburg.de

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## Visual material

(Intended purpose of the download "PI")



*The restoration work on the Neu-Isenburg forest swimming pool started in 2009. First phase of construction: the swimming pool diving platform.*

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*Substrate before levelling with PCI Novoment Z1 plus aggregate grain. The substrate had to be prepared "with maximum grip"; PCI Repahaft was used as the bonding agent for the levelling mortar.*

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*Due to the swimming pool's fixed seasonal opening dates time was pressing. This is why fast setting screed cement PCI Novoment Z1 plus aggregate grain is needed for the mortar that tile company Hoffelner's employees are laying here. Advantage: The reliable professional fast setting cement stays workable for a long time and then sets quickly. PCI Novoment Z1 can be overlaid with ceramic coatings as early as after approx. one day.*

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*An approach that has already proven itself in scores of restoration projects – in the swimming pool sector too: levelling mortar with PCI Novoment Z1 fast setting cement plus aggregate grain in the overflow channel as well as in the pool's raised edge section and in the pool surrounds.*

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*Egon Pfuhl, skilled employee and tile laying professional of the Hoffelner company, is cementing blue System Finland II stoneware handhold-pieces by manufacturer Agrob Bruchtal, a Deutsche Steinzeug company. The corresponding grooved edges are also a part of the System. Visible on the far side of the channel: Chroma NonSlip tiles 25/12.5 (colour 69 oatmeal) with slip resistance -/B.*

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*After its restoration the swimming pool diving platform gleams with new lustre.*

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*The forest-ringed swimming pool in Neu-Isenburg is maintained in an exemplary manner. The pool edge systems of all the swimmer's pools were renewed step-by-step in the course of the 2009-2014 restoration. The swimming pools are set in a park covering about two and a half hectares and featuring an old stock of trees that provides visitors with shady spots on hot days.*

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## **About PCI**

*PCI Augsburg GmbH is part of the business unit Construction Chemicals of BASF and leader in the tile laying materials sector for specialist firms in Germany, Austria and Switzerland. In addition, the company supplies product systems for waterproofing, concrete protection and repair, as well as a complete product range for the soft flooring sector. PCI employs a staff of more than 700 and generated sales of over €200 million net in 2013. Further information about PCI on the Internet under [www.pci-augsburg.de](http://www.pci-augsburg.de).*

## **About BASF**

*BASF is the world's leading chemical company: The Chemical Company. Its portfolio ranges from chemicals, plastics, performance products and crop protection products to oil and gas. We combine economic success with environmental protection and social responsibility. Through science and innovation, we enable our customers in nearly every industry to meet the current and future needs of society. Our products and solutions contribute to conserving resources, ensuring nutrition and improving quality of life. We have summed up this contribution in our corporate purpose: We create chemistry for a sustainable future. BASF had sales of about €74 billion in 2013 and over 112,000 employees as of the end of the year. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (AN). Further information on BASF is available on the Internet at [www.basf.com](http://www.basf.com).*

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