

# JOB REFERENCE

Augsburg, 11.02.2014

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## Modern bathroom design with XXL-tiles

### **New large-format tiles laid over old**

At the beginning of 2012, the owner of a somewhat outdated bathroom in a two-family house in Mettmann decided time was ripe for a renovation to give it a breath of fresh air. The client was particularly keen on having a wall covering that was as easy to clean as possible, and 60 x 120 cm Italian porcelain stoneware tiles were therefore chosen. The demolition work was to be kept to a minimum and completed quickly. So, with the agreement of the client, the installers decided to cement the new, large-format tiles to the old wall tiles. Master Tiler Johannes van Noppen worked closely with the application engineers and technical specialists of construction chemicals specialist PCI Augsburg GmbH and his son, architect Philipp van Noppen.

In order to ensure the new XXL-tiles adhered well to the old wall covering, the construction professionals sanded this down lightly with a diamond cup wheel. They removed the dust from the surface before applying a coat of PCI Gisogrund 303 wash primer. The experts smoothed out any slight unevenness with PCI Nanolight multi-use flexible tile adhesive. In order to get the most out of the dimensions and match the tile format to the spatial conditions, the specialist tradesmen covered two wall surfaces with PCI Pacidur high-resistance foam elements. This allowed them to follow the dimensions of the tiles and the shower tray perfectly. The installers used the new PCI FT Flex polymer modified tile adhesive to cover the total 20.10 m<sup>2</sup>

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wall area with the large-format tiles. This flexible mortar mix has been developed specifically for XXL porcelain stoneware and offers the highest stability. The product also evens out stresses resulting from temperature fluctuations in the substrate, making it ideal for tiling in bathrooms. The installers filled the gaps between the tiles with PCI Geofug joint grout. This also met the client's wish for an easy-to-clean covering for their bathroom thanks to the so-called geopolymer based pecclean effect of the innovative joint grout. The low-dust formulation and a long washing interval also made installation easy.

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## Object data

Object:	Modern bathroom design with XXL-tiles
Subtitle:	New large-format tiles laid over old
Location:	Mettmann
Completion year:	2012
Task:	Redesign and renovate a bathroom. Lay large-format tiles on an existing tiled wall.
Object size:	Wall covering: 20.10 m <sup>2</sup>
Products used:	PCI Gisogrund 303, special wash primer, PCI FT Flex, PCI Nanolight, PCI Pacidur, PCI Lastogum, PCI Geofug No. 23 light grey, PCI Silcoferm S No. 23 light grey and No. 20 white, PCI Carraferm No. 20 white, PCI Naturstein-Imprägnierung ( <i>impregnation for natural stone surfaces</i> )
Planner:	Architect Dipl.-Ing. Philipp van Noppen
Processing company:	Johannes van Noppen (Master Craftsman – tiling, paving and mosaic specialist)
PCI specialist advisor:	Hermann Gajowczyk, Stefan Marx
Contact :	PCI Augsburg GmbH 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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### Pictures and captions:



This tired bathroom of a two-family house in Mettmann underwent a make-over. With the brief of not removing the original wall tiles, the installers cemented the new large-format tiles over the old wall covering.

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The old wall covering will be invisible beneath the new, modern XXL-tiles. With the PCI Pécidur high-resistance foam elements the installers could make full use of the given dimensions. This allowed them to create an in-wall fixture for the heated towel rail.

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The construction professionals used the flexible PCI FT Flex polymer modified tile adhesive to secure the large format porcelain stoneware tiles to the wall. This product provides a high degree of stability and evens out stresses resulting from temperature fluctuations in the substrate.

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A breath of fresh air in the bathroom: large-format tiles and new sanitary fittings create a modern space, leaving not a trace of the old-fashioned 1970s bathroom.

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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 about 800 and generated sales of over €200 million net in 2012. Further information about PCI on the Internet under [www.pci-augsburg.de](http://www.pci-augsburg.de).*

*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, social responsibility and environmental protection. Through science and innovation we enable our customers in almost all industries to meet the current and future needs of society. Our products and system solutions contribute to conserving resources, ensuring healthy food and nutrition and helping to improve the quality of life. We have summed up this contribution in our corporate purpose: We create chemistry for a sustainable future. BASF posted sales of about €78.7 billion in 2012 and had more than 113,000 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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