

## Reference project

Augsburg, 28.08.2017

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PCI provides support for tile laying at Finck und Claus car dealership in Pinneberg

## Masterful refurbishment: large tiles in a car showroom

The Swedish carmaker Volvo has developed a new corporate identity (CI) for its car dealerships. The reduced Scandinavian design represents modernity and quality. These requirements were implemented by Finck und Claus GmbH in the refurbishment of its dealership in Pinneberg – with large grey tiles laid in a matched pattern. Tile laying was by no means easy; the project had to be completed fast at the same time as meeting the high aesthetic demands of the client and ensuring a high level of reliability. The large glazed facade of the dealership means that the tiled floor is exposed to very strong sunlight. The tiling contractor concerned, SKM-Bau GmbH, implemented a low-stress solution using PCI products.

### Low-stress solution with PCI Flexmörtel S1 Flott

On the ground floor of the dealership, 600 m<sup>2</sup> of fully vitrified tiles with a size of 75 x 75 cm were laid. Following the removal of the old floor covering, the tilers applied PCI Gisoground 404 special primer to the floor. All the irregularities in the substrate needed to be smoothed out to provide an ideal surface for laying the large tiles. The surface was levelled very efficiently by pumping in the flowable PCI levelling

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compound. The tilers laid the large New Volvo Grey (Interne Fiandre) tiles using PCI Flexmörtel S1 Flott as the adhesive. In order to highlight the modern design, a matched tile pattern was used. With its non-sag properties, the very low-emission flexible mortar is well-suited for laying extremely large tiles because it prevents the large, heavy tiles from sinking into the mortar bed. In the selection of the tile adhesive, it was also important to take into consideration the strong sunlight reaching the tiles through the glass facade. Temperature fluctuations as a result of the sunlight cause stress in the floor which may permanently damage the tiled covering. The tile adhesive therefore had to be sufficiently flexible to compensate for the stresses. The flexible mortar PCI Flexmörtel S1 Flott meets these requirements. In addition, it is extremely easy to use: “Despite its fast setting time – the floor can already be used after only about six hours – you can still work with the flexible mortar for up to 3 hours,” says Stefan Kulbe, proprietor of Firma SKM-Bau GmbH, on the benefits of the tile adhesive.

The tiles were grouted using the very low-emission joint grout PCI Nanofug Premium. With a working time of about 45 minutes, this mortar is extremely convenient to use. PCI Nanofug Premium is very popular with project owners as the joints are easy to clean, resist attack by acidic detergents and offer effective protection against certain mould fungi and microorganisms. Expansion and connecting joints were filled with PCI Silcofug E. The very low-emission sealant is elastic and resists attack by ultraviolet radiation.

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### Work completed to schedule

The time schedule for refurbishment work at the Volvo dealership was very tight as disturbances to normal business needed to be minimized. "This was a real challenge," says Stefan Kulbe. "The support provided by the PCI advisers on site was extremely useful. Thanks to the harmonized products, we were able to achieve rapid progress on site. We completed the project to schedule after four weeks."

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### Project data

Project title:	Masterful refurbishment: large tiles in a car showroom
Subtitle:	PCI provides support for tile laying at Finck und Claus car dealership in Pinneberg
Location:	Pinneberg
Year of completion:	2016
Objective:	Laying large tiles to meet high quality requirements under considerable pressure of time
Project size:	About 600 m <sup>2</sup>
Products used:	PCI Gisogrund 404, PCI Nivelliermasse, PCI Flexmörtel S1 Flott, PCI Nanofug Premium, PCI Silcofug E
Client	Finck und Claus GmbH, Pinneberg
Planning:	Architekten Michael Albers, Pinneberg
Tiling:	SKM-Bau GmbH, Wacken
PCI applications technician:	Eric Peter
PCI technical adviser:	Thomas C. Krüger
Contact:	<b>PCI Augsburg GmbH</b> Piccardstraße 11 86159 Augsburg Phone: 0821 5901-0 Fax: 0821 5901-416 Email: <a href="mailto:pci-info@basf.com">pci-info@basf.com</a> <a href="http://www.pci-augsburg.de">www.pci-augsburg.de</a>

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**Photos** (for downloading PI)



Fig. 1: Finck und Claus GmbH has refurbished its car dealership in Pinneberg: the tilers used PCI Flexmörtel S1 Flott as the tile adhesive. Thanks to its non-sag properties, this adhesive is especially well-suited for large tiles.

<https://pics.pci-augsburg.com:443/php/index.php?database=2&downloadimage=9303&size=6048x4032&format=&check=cca23b0b377f75848ac3d0d9d7f59919>

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Fig. 2: The flexibility of the tile adhesive allows it to absorb stresses caused by the substrate and by temperature fluctuations.

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Fig. 3: PCI Flexmörtel S1 Flott allows rapid progress with work: it is only necessary to apply a scratch layer to the back of the tile (buttering-floating method), so that the tiles bond firmly to the substrate without any air bubbles or voids.

<https://pics.pci-augsburg.com:443/php/index.php?database=2&downloadimage=9305&size=6048x4032&format=&check=2c451222ed32632393d0d93cfd1163c5>

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Fig. 4: PCI Flexmörtel S1 Flott is easy to process: just mix with water and stir to form a plastic mortar free from lumps using a suitable basket mixer. The mortar should be allowed to stand for about three minutes and then stirred again briefly.

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Fig. 5: The tilers used PCI Nanofug Premium for grouting the joints. This variable, flexible joint grout has a convenient working time of about 40 minutes.

<https://pics.pci-augsburg.com:443/php/index.php?database=2&downloadimage=9307&size=6048x4032&format=&check=255df90d34a65d2898890acb35bf9df1>

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Fig. 6: PCI Nanofug Premium is very popular with project owners as the joints are easy to clean, resist attack by acidic detergents and offer effective protection against certain mould fungi and microorganisms.

<https://pics.pci-augsburg.com:443/php/index.php?database=2&downloadimage=9308&size=6048x4032&format=&check=419a30e3255936dd630934d17265a93c>

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Fig. 7: The Finck und Claus car dealership in Pinneberg with its new design: the showroom, with its new floor covering made from large tiles, provides a high-quality modern environment for the display of vehicles.

<https://pics.pci-augsburg.com:443/php/index.php?database=2&downloadimage=9309&size=6048x4032&format=&check=34792d48c9b439f07986d52502faad19>

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## **About PCI**

*PCI Augsburg GmbH is part of the Construction Chemicals business unit of BASF and the leader in the tile laying materials sector for specialist contractors in Germany, Austria and Switzerland. In addition, the company supplies product systems for waterproofing, concrete protection and repair, as well as a full product range for the soft flooring sector. PCI employs a workforce of more than 1,200 people in Europe and generated net sales of over €250 million in 2016. Further information about PCI on the Internet at [www.pci-augsburg.de](http://www.pci-augsburg.de).*

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