

## PCI specialist advice: reliable laying of large tiles

### **A stylish floor with large tiles**

Large tiles are fashionable. They not only create an exclusive, modern impression but also make small rooms look larger and large rooms seem calmer. This was why master tiler Jens Pomplun from Linnich used 270 x 120 cm fully vitrified tiles in his living room. He not only benefited from PCI advice and professional workmanship in his private life but was also able to gain valuable experience and specialist knowledge in the new area of laying large tiles.

In this case, the rehabilitation of the substrate posed a special challenge. In the living room, the heated screed was faulty in some places and only very little height was available for the floor covering. The master tiler used the following system on the basis of advice provided by PCI application technician Lukas Lukuc: the cement screed was first primed using PCI Gisogrund 404. The screed was levelled using PCI Armiermatte GFM to reinforce the PCI Periplan Extra levelling compound and to improve its tensile strength. The levelling compound was poured out onto the surface, distributed with a skid leveller and then aerated and levelled using a spiked roller.

Jens Pomplun used PCI Rapidflott flowable tile adhesive with the polymer-modified additive PCI Lastoflex to lay the tiles. This supple adhesive is especially well-suited for laying ceramic tiling and cotto with virtually no voids. Following the application of adhesive to the back of the slabs, they were laid directly into the wet adhesive. As a

**Sitz der Gesellschaft:**  
PCI Augsburg GmbH  
Piccardstr. 11, 86159 Augsburg  
Postfach 10 22 47, 86012 Augsburg  
Tel. +49(8 21) 59 01-0  
Fax +49(8 21) 59 01-372

**Geschäftsführer:**  
Clemens Bierig  
Manfred Grundmann

**Aufsichtsratsvorsitzender:**  
Philipp Kley

**Registergericht:**  
Amtsgericht Augsburg, HRB 6355  
USt-IdNr.: DE811143409

**Bank:**  
Deutsche Bank AG, Augsburg  
BIC DEUTDE33HAN  
IBAN DE73 7207 0001 0535 0707 00  
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result of the rapid hardening of the mortar, the tiling could already be grouted with PCI Flexfug about three hours after laying. The living room of the single-family home was tiled using beige Neolith tiles with a size of 270 x 120 cm and a thickness of 5 mm. The smaller size of 120 x 120 cm was used in the kitchen, hall and corridor. A star-shaped feature using two different natural types of natural stone is a special eyecatcher in the hall.

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PCI Augsburg GmbH  
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## Project data

Project title:	A stylish floor with large tiles
Subtitle:	PCI specialist advice: reliable laying of large tiles
Location:	Linnich
Year of completion:	2014
Objective:	Laying large tiles
Project size:	About 115 m <sup>2</sup> of floor tiles and skirting tiles
Products used:	PCI Gisogrund 404, PCI Armiermatte GFM, PCI Periplan Extra, PCI Rapidflott, PCI Lastoflex, PCI Flexfug
Client	Jens Pomplun, Linnich
Planning:	Jens Pomplun, master tiler, Linnich
Tiling:	Jens Pomplun, master tiler, Linnich
PCI applications technician:	Lukas Lukuc
PCI technical advisers:	Oliver Heuser, Markus Mielczarek
Contact:	<b>PCI Augsburg GmbH</b> Piccardstraße 11 86159 Augsburg Phone: 0821 5901-0 Fax: 0821 5901-416 Email: pci-info@basf.com www.pci-augsburg.de

Sitz der Gesellschaft:  
PCI Augsburg GmbH  
Piccardstr. 11, 86159 Augsburg  
Postfach 10 22 47, 86012 Augsburg  
Tel. +49(8 21) 59 01-0  
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**Photos** (for downloading PI)



Master tiler Jens Pomplun from Linnich gained experience with large tiles in his own home: he laid fully vitrified tiles with a size of 270 x 120 cm on an area of about 60 m<sup>2</sup>.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7562&size=&format=&check=43dff6034b3efd0428d1af13ce528c8>

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PCI Augsburg GmbH  
Piccardstr. 11, 86159 Augsburg  
Postfach 10 22 47, 86012 Augsburg  
Tel. +49(8 21) 59 01-0  
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Philipp Kley  
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UST-IdNr.: DE811143409

**Bank:**  
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The entire surface was prepared for laying large tiles using PCI Gisogrund 404 primer.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7561&size=&format=&check=f4701cf30dbd1bd9cbbf4f3bfacaf675>

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Piccardstr. 11, 86159 Augsburg  
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PCI Armiermatte GFM glass fibre reinforcement was used to reinforce the levelling compound.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7563&size=&format=&check=158eb6719c035d3f6878957378c09ff9>

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Tel. +49(8 21) 59 01-0  
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Jens Pomplun used the fibre-reinforced special levelling compound PCI Periplan Extra for levelling the screed.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7564&size=&format=&check=c11c857b3f829895f6c4d7031af1aa70>

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Piccardstr. 11, 86159 Augsburg  
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PCI Periplan Extra special levelling compound flows easily and can be processed without any problems.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7565&size=&format=&check=101f5121ecf22a97ab77dd9765ec27bc>

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PCI Periplan Extra is distributed with a skid leveller and then levelled and aerated using a spiked roller.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7567&size=&format=&check=3317b094337d5c8e7b5b24eb5c9f9c12>

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The master tiler mixed PCI Rapidflott flowable tile adhesive with the polymer-modified additive PCI Lastoflex.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7568&size=&format=&check=c1b2ad75504095ffcb109b69e575b4e1>

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To ensure laying with virtually no voids, PCI Rapidflott was applied both to the substrate and to the back of the tile.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7570&size=&format=&check=68205a1d65474ae539a57e4daa95ee47>



<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7571&size=&format=&check=deca4fb18ce60f0a716c0759d03754b7>

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The laying of very large tiles calls for considerable know-how and experience – as well as the right tools. Provided that these requirements are met, even such challenging projects can be completed successfully.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7572&size=&format=&check=491e3b0afc15342806b3da88d170a389>

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Postfach 10 22 47, 86012 Augsburg  
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The fully vitrified tiles were grouted using PCI Flexfug.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7575&size=&format=&check=7927c1b957a3b345a10995fb7ab98dfa>

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Tel. +49(8 21) 59 01-0  
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Expert laying, exclusive appearance and a long service life: large tiles in the living room of master tiler Jens Pomplun.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7576&size=&format=&check=b8a83020466f8f347b57444b135b00a2>

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PCI Augsburg GmbH  
Piccardstr. 11, 86159 Augsburg  
Postfach 10 22 47, 86012 Augsburg  
Tel. +49(8 21) 59 01-0  
Fax +49(8 21) 59 01-372

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Clemens Bierig  
Manfred Grundmann

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Philipp Kley  
**Registergericht:**  
Amtsgericht Augsburg, HRB 6355  
USt-IdNr.: DE811143409

**Bank:**  
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This star-shaped feature in the hall is a real eyecatcher.

<http://www.pci-pics.com:80/php/index.php?database=2&downloadimage=7577&size=&format=&check=e2afb00cd7148ac41dca5bbf8b8c9948>

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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 €220 million net in 2014. Further information about PCI on the Internet under [www.pci-augsburg.de](http://www.pci-augsburg.de).*

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