

# JOB REFERENCE

Augsburg, 13.02.2014

Page 1 of 15

The terrace as a feel-good area:

## **Just like being on holiday in your own home**

For a terrace to inject a small bit of luxury into the monotony of everyday life, not only is it necessary to carefully select the upper covering, it is particularly important to ensure the right technology is used for the substrate in order to meet the high requirements placed on it. A terrace in Murnau was therefore renovated and extended by professionals who used large-format fine porcelain stoneware tiles with the proven products of construction chemicals manufacturer PCI Augsburg GmbH. A special feature of the terrace is the underlying garage with the external section comprising a flat roof. In order to protect the space below the terrace against the ingress of water, a professional seal was installed including two drainage points. The construction professionals manufactured a particularly high quality, reliable and durable insulating layer from insulation panels of mineral foam glass, which were fixed in place using PCI Pecimor DK bitumen adhesive for insulation boards. The installers sealed the upper side of the insulation panels with PCI Seccoral 2K Rapid fast-setting special waterproofing slurry. This gave the garage a water-tight roof and a stable substrate for the tiled surface of the terrace. Drainage mats were placed on the previously installed waterproofing onto which the PCI Pavifix DM drain and screed mortar was applied. This acts like a support layer. By providing the entire covering with a grid structure, the mat and mortar system ensures fast and immediate drainage. The drain and screed mortar also protects against frost damage and reduces efflorescence. Before the installers laid the tiles using a special

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)

## JOB REFERENCE

Augsburg, 13.02.2014

Page 2 of 15

floating-bed mortar for porcelain coverings, they applied a scratch coat to the back of the tiles to ensure a better keying of the tiles and the tiling adhesive. PCI Rapidflott was used to lay the new quick-hardening floor covering. To turn the mortar into an even more ductile product yet more resistant to water, frost and weather, the installers added PCI Lastoflex polymer modified additive to the cement mortar mix. This is because tiling adhesives mixed with this relieve substrate stresses, balance out stresses resulting from temperature fluctuations and are waterproof and frost- and weather-resistant. The grouting of the covering should be highly elastic in order to compensate for the length variations of the large-format tiles during changes in temperature. This is why all grouted joints were sealed with the elastic, self-adhesive PCI Silcoferm S silicone joint sealant.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)

# JOB REFERENCE

Augsburg, 13.02.2014

Page 3 of 15

## Object data

Object:	The terrace as a feel-good area
Subtitle:	Just like being on holiday in your own home
Location:	Murnau
Completion year:	2013
Task:	Floor renovation: creating a durable substrate
Object size:	60 m <sup>2</sup>
Products used:	PCI Pecilastic WS, PCI Pecimor DK, PCI Seccoral 2K Rapid, PCI Pavifix DM, PCI Rapidflott, PCI Lastoflex
Planning:	Otto Hiesinger
Processing company:	Heinz Sander GmbH, Riemerling
PCI applications adviser:	Markus Balleisen
	<p><b>PCI Augsburg GmbH</b>            Piccardstraße 11            86159 Augsburg            Telefon: 0821 5901-0            Telefax: 0821 5901-459            E-Mail: pci-info@basf.com            www.pci-augsburg.de</p>

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

**Bank:**  
 Deutsche Bank AG, Augsburg  
 Konto-Nr. 5 350 707  
 BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)

# JOB REFERENCE

Augsburg, 13.02.2014

Page 4 of 15

## Pictures:



With the Alps always in view: the house is situated in a scenic area. For an all-around satisfactory quality of living, it was particularly important for the client to make the outdoor area attractive and homely as well. This has been enlarged as part of the renovation of the terrace and adapted to blend in visually with the adjacent interior.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)

## JOB REFERENCE

Augsburg, 13.02.2014

Page 5 of 15



Terrace and flat roof in one: a garage is located under the terrace of the Murnau property. Mineral glass foam panels fixed in place with PCI Pecimor DK bitumen adhesive therefore insulate the space against the cold and protect the upper covering against water vapour.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)



# JOB REFERENCE

Augsburg, 13.02.2014

Page 6 of 15



Installers used PCI Seccoral 2K Rapid fast-setting special waterproofing slurry to seal the upper side of the insulation panels. The fast-setting special waterproofing slurry prevents water ingress into the space below the terrace – this is a given.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)

## JOB REFERENCE

Augsburg, 13.02.2014

Page 7 of 15



The layer of drainage mats and PCI Pavifix DM drain and screed mortar acts like a support layer. The mat and mortar system ensures fast and immediate drainage.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)

## JOB REFERENCE

Augsburg, 13.02.2014

Page 8 of 15



The substrate is now ready for the tiles to be laid. A drainage system ensures that rain and storms present no risk to the subsequent layer of porcelain stoneware. Under the drainage, a system comprising a bituminous layer, insulating panels and a waterproofing slurry safety layer ensure the garage located under the terrace remains dry.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)



## JOB REFERENCE

Augsburg, 13.02.2014

Page 9 of 15



Exactly at the right height: the floor-to-ceiling windows which separate the living space from the terrace presented a special challenge. To prevent the new porcelain stoneware tiles creating a trip hazard, the construction professionals worked according to precise dimensions.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)

## JOB REFERENCE

Augsburg, 13.02.2014

Page 10 of 15



The installers used PCI Rapidflott fast-acting flowable mortar in conjunction with PCI Lastoflex polymer modified additive to cement the new 90 cm x 90 cm porcelain stoneware tiles to the Murnau terrace. The product mix is water-, frost- and weather-resistant, and therefore ideal for laying ceramics outside.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)

## JOB REFERENCE

Augsburg, 13.02.2014

Page 11 of 15



The interior extends visually outside with the new floor covering creating a harmonious overall appearance and allowing the living area to continue flowing outwards. The floor-to-ceiling windows enhance this openness and let a lot of light into the interior. The design of the kitchen and living area now flows out into the stylish open air design, visually extending the interior.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)



## JOB REFERENCE

Augsburg, 13.02.2014

Page 12 of 15



Consistent in every detail: the installers cut the large tiles exactly to size around the edges of the terrace.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)

## JOB REFERENCE

Augsburg, 13.02.2014

Page 13 of 15



A large number of floor-to-ceiling windows are installed in the building's façade. The floor tiles are laid evenly on the adjacent area. The installers therefore created a structure which manages to not interrupt the overall aesthetic while still being able allow water to drain away.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)



## JOB REFERENCE

Augsburg, 13.02.2014

Page 14 of 15



Pure relaxation in prospect: the renovated terrace invites you to stay at home. The large tiles are elegant and present a completely harmonious whole.

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)

# JOB REFERENCE

Augsburg, 13.02.2014

Page 15 of 15

## **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).*

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

**Bank:**  
Deutsche Bank AG, Augsburg  
Konto-Nr. 5 350 707  
BLZ 720 700 01  
[www.pci-augsburg.de](http://www.pci-augsburg.de)