

PROJECT REFERENCE

Augsburg, 27.08.2019

City of Lorch relies on PCI products for layered masonry with heavy slabs of different thickness and extremely thin joints

Laid in winter: Natural stone slabs for the Remstal Garden Show 2019

For the first time in Germany, a garden show is taking place in 16 different towns and communities: the Remstal Garden Show 2019. One of the participating communities is the city of Lorch, which is located at the narrowest point of the Remstal valley east of Stuttgart. As part of its preparations for the horticultural show, it has cleared the Götzenbach, tributary to the Rems, to create access to the water and seating for people to linger.

Granite slabs at the Götzenbach culvert

In order for the garden show to open on time on May 10, 2019, the work had to be done during the winter. This raised the urgent question of building materials that could be worked well and reliably even at low temperatures: Granite slabs were to be laid over around 60 square meters and a layered masonry wall was to be created over around 80 square meters. Together with the contractor Hoyler PCI Augsburg GmbH was already on board during the planning phase. On the recommendation of PCI technical consultant Alfred Haug the craftsmen carried out the laying of the granite slabs with PCI Carrament laying mortar. For the substrate preparation PCI Gisogrund wash and protection primer and PCI Pericret leveling mortar were used

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beforehand. A challenge for the craftsmen were the very heavy and differently thick natural stone slabs. The easy application of PCI Carrament was helpful: Thanks to its creamy consistency the laying mortar can be applied with the help of a medium trowel without much effort. Important for use outdoors and at low temperatures: PCI Carrament is resistant to permanent wetness as well as frost and compensates temperature fluctuations and substrate stresses due to its flexibility. Due to the fast curing, the natural stones laid with PCI Carrament can be grouted after only about six hours. This was done with PCI Pavifix CEM ROC when laying the slabs at Götzenbach.

Layered masonry with PCI Pavifix CEM ROC

The cementitious paving mortar PCI Pavifix CEM ROC is suitable for both setting and grouting especially of natural stone walls. Thus only one product had to be kept on stock at the Götzenbach construction site and the craftsmen, once familiar with the application, were able to set, fix and grout the entire layered masonry with PCI Pavifix CEM ROC quickly and professionally. Even the extremely thin joints posed no problem because PCI Pavifix CEM ROC can be variably adjusted as required and can be applied in a non-sag or slurry-type manner. The mortar is also very wear-resistant and thus permanently resistant to weathering and, of course, frost-de-icing salt resistant. The Hoyerl construction company was at work with six employees on the Götzenbach in Lorch and was able to complete the work on schedule after a construction period of two months.

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Project data

Project:	Laid in winter: Natural stone slabs for the Remstal Garden Show 2019
Subtitle:	City of Lorch relies on PCI products for layered masonry with heavy slabs of different thickness and extremely thin joints
Location:	Lorch in the Remstal valley
Completion year:	2019
Task:	Laying granite slabs as well as producing a granite layered wall in winter
Project size:	Approx. 60 sqm slabs and 80 sqm brickwork
Products used:	PCI Gisogrund, PCI Pericret, PCI Carrament, PCI Pavifix CEM ROC
Contractor	City of Lorch
Processor:	Bauunternehmen Hoyler, Kirchheim unter Teck
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Images:



As part of the Remstal Federal Garden Show 2019, the participating city of Lorch redesigned the central Schillerplatz. To create access to the water and seating for lingering, the Götzenbach was exposed.

Image for download: <https://bit.ly/2HsehIG>

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In winter 2019, the construction company Hoyer from Kirchheim unter Teck carried out the construction work with building materials from PCI: Granite slabs on approximately 60 square meters and a layer masonry on circa 80 square meters were laid.

Image for download: <https://bit.ly/2NFRCGe>

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■ For the layered granite masonry the craftsmen used PCI Pavifix CEM ROC cementitious paving mortar for both setting and pointing.

Image for download: <https://bit.ly/2PgeE99>

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Under a construction tent the craftsmen set the masonry in winter temperatures. The special challenge was posed by the particularly narrow joints of just five millimeters. With the crack-free hardening mortar PCI Pavifix CEM ROC the joints could be executed reliably and without breaking out.

Image for download: <https://bit.ly/2Zn12h2>

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<https://bit.ly/2Pi7K3j>

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The grey natural stone facing at the Götzenbach crossing was laid with PCI Carrament and grouted with PCI Pavifix CEM ROC.

Image for download: <https://bit.ly/2PdbFyi>

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About PCI

PCI Augsburg GmbH is part of MBCC Group 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 flooring sector. The PCI Group employs a staff of more than 1,200 in Europe and generated sales of significantly over €300 million net in 2019. Further information about PCI on the Internet under www.pci-augsburg.de.

About MBCC Group

*The MBCC Group is one of the world's leading suppliers of construction chemicals products and was created from the former BASF's construction chemicals business following its spin-off from the BASF Group. We offer innovative and sustainable products and solutions for the construction industry for various sectors, such as buildings, infrastructure, civil engineering, new construction and renovation. Our strong brands, such as Master Builders Solutions®, PCI®, Thermotek®, Wolman®, Colorbiotics® and Watson Bowman Acme® are established in the market. With our innovations we face the challenges of sustainability in the industry. The MBCC Group consists of about 70 companies worldwide and employs around 7,500 construction experts in over 60 countries. Further information under: www.mbccgroup.com.
We build sustainable performance.*

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