

Property	Idyllic Düsseldorf residence
Date	December 2011
Location	Düsseldorf
Execution	2011
The task	Refurbishment of the bathroom with high-quality natural stone tiles
Area size	Wall covering: 16.55 m ² Floor covering: 6.80 m ²
Products used	PCI Nanocret 10, PCI Novoment M1, PCI Gisogrund Rapid, PCI Gisogrund 303, PCI Rapidlight, PCI-Lastogum, PCI-Pecilastic W, PCI Pecitape 120, PCI Seccoral 1K, PCI-Carrament, PCI-Carraflex, PCI-Carrafug, No. 26, PCI Carraferm, PCI smoothing agent, PCI natural stone impregnating agent
Planners	Architect Dipl.-Ing. Philipp van Noppen
Company	Johannes van Noppen, Master Craftsman - Tiling, paving and mosaic specialist
Technical consultants	Hermann Gajowczyk, Stefan Marx

Idyllic Düsseldorf residence adorned with rare natural stone

Natural stone, when used as a flooring or wall material, conveys an atmosphere of exclusivity and sensual naturalness. That is why the owners of a Düsseldorf property chose grey-veined Carrara marble when refurbishing their bathroom. The bathroom is now adorned with this and the black Nero Marquina marble, which has white veins running through it. First, careful and proper preparations were needed before the full splendour of the rare stone could really be brought out in the new luxury bathroom. Once the old bathroom had been stripped back, the screed first had to be worked on and finished in the area where the bathtub and shower tray were previously installed. Special care was required here, as on the one hand the existing screed base is equipped with an electrically-operated underfloor heating system and, on the other hand, a floor-level shower drain outlet was to be installed. So the experts ensured the gradient was taken into account and used PCI Novoment M1 plus for the fast-setting screed. The flexible tile adhesive PCI Rapidlight was used for mortaring the blocks and joining the HR foam composite elements. A standard-compliant bonded

waterproof coating then had to be applied to the wall areas. The natural choice for this was the dispersion sealant PCI Lastogum, applied on the surface pre-primed with PCI Gisogrund rapid. The master tiler used the waterproofing slurry Seccoral 1K for the floor area. To ensure the shower drain, which had been provided with an adhesive flange, was reliably sealed, the waterproofing membrane PCI Pecilastic W was also fitted up to the pre-primed fitted component. The waterproofing membrane, in turn, was embedded in PCI Seccoral 1K. PCI Pecitape 10 x 10 cm waterproofing sleeves at the water installations were integrated in the waterproofing system. In addition the waterproofing tape PCI Pecitape 120 was incorporated into the waterproofing system in the wall and floor areas. To ensure an absolutely even base for laying the wall tiles, the tilers and planners agreed to affix an aluminium profile having a square cross-section. Since the wall and floor coverings have only a few, though precisely positioned joints, the owner and architect chose the light joint grout PCI Carrafug, colour no. 26, pearl grey. This blends in perfectly with the crystalline white of the natural stone. A practical solution: The colour of the silicone joint sealant PCI Carraferm, which is suitable for use with natural stone, fits in precisely with the colour range of PCI Carrafug joint grouts. The PCI natural stone impregnating agent, applied just a few days after drying, provided the finishing touch to a work of craftsmanship.