

Item	Bathroom renovation with classic marble
Date	August 2010
Location	Düsseldorf
Execution	2010
The task	Fitting light and dark marble on floor and wall of a bathroom and guest WC
Area size	Wall covering: 28.70 m ² Floor covering: 16.45 m ²
Products used	PCI Pecilastic U [Waterproofing and isolating membrane], PCI Pecitape Silent [Self-adhesive insulation tape], PCI Gisogrund [Wash primer / protective primer], PCI Carralight [Flexible, light thin-bed mortar], PCI Lastogum [Waterproof, flexible protective coating], PCI Pecitape WS caulking tape [Self-adhesive waterproofing tape], PCI Pecitape 10 x 10 collar [Special waterproofing tape system], PCI Carrament [Medium-bed mortar] white and grey, PCI Carrafug [Special joint grout] sand grey and pearl grey, PCI Carraferm [Silicone joint sealant] sand grey and pearl grey, PCI DIN Polyband [Sealant backfiller], PCI Glättmittel [Smoothing agent]
Designer	Architect Dipl.-Ing. Philipp van Noppen
Company	Johannes van Noppen (Master Craftsman - tiling, paving and mosaic specialist)
Technical consultants	Hermann Gajowczyk, Stefan Marx

Spellbinding beauty of nature within one's own four walls

Materials from nature engender a blissful atmosphere and with their natural colours and patterns they present a sophisticated highlight in the distinctive home. This is why the owners of a Düsseldorf residence decided to use marble for the installation of their bathroom and the adjacent guest WC. Here both the wall and the floor were to be faced and new bathroom equipment made with the natural material. Consulting with the architect, the residents settled on two different types of marble. For a total of 28.7 m² wall area in both rooms and for the double washbowl in the bathroom and the hand washbasin in the guest WC, they selected a light Covelano marble. The floor with a size of 16.45 m² was to be covered with dark Etruscan Fossil from Tunisia throughout. In the course of his designing, the architect Philipp van Noppen collaborated closely with specialised craftsmen and PCI Augsburg GmbH, the authority in the chemistry of building materials and supplier of a wide range of specialty products for natural stone. The installers dismantled the old bathroom and

the guest WC first, ground away the original heating screed and removed adhesive residues. In the way of additional preparations they re-plastered several partition walls and smoothed over existing rendered surfaces. The construction pros sealed the floor areas using PCI Pecilastic U waterproofing and isolating board. The ready-made membrane was cemented with PCI Carralight light mortar. The specialised craftsmen went over the board's joints with PCI Pecitape WS self-adhesive sealing tape, making for waterproof connection joints as a result. In addition, the experts used flexible PCI Lastogum protective coating on the wall; in doing so they used solvent-free PCI Gisogrund wash and protective primer as the subcoating. Floor-to-wall or wall-to-wall joints were adhered with PCI Pecitape WS sealing tape and self-adhesive PCI Pecitape silent floor screeding tape. In the existing pipe lead-in areas the building pros used the PCI Pecitape 10 x 10 sealing collar. PCI Augsburg GmbH developed the Carra-line of products specifically for fitting natural stone. As a result, the specialised craftsmen fitted the Covelano marble on the wall using white PCI Carrament medium-bed mortar via the buttering-floating method. That way the sealant cannot show through the light stone. For jointing the wall and floor panels too the master tiler relied on the products of the PCI natural stone family: He and his team filled the space between the panels with PCI Carrafug special joint grout and PCI Carraferm silicone joint sealant. In this way they created a harmonious overall image in the bathroom and guest WC.