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| <b>Property</b>      | <b>Detached house in Moers, northwestern Germany</b>  |
| Date                 | 2013  |
| Location             | Moers   |
| Implementation       | Between December 2012 and January 2013<br>(approx. six weeks)   |
| The task             | Total refurbishment of a small bathroom to design a barrier-free interior   |
| Property size        | About 5 m <sup>2</sup>  |
| Products used        | PCI Nanocret R2, PCI Gisogrund, PCI Gisogrund 303, PCI Seccoral 2K Rapid, PCI Pecitape 120, PCI FT Flex, PCI Nanofug Premium, PCI Silcoferm S, PCI smoothing agents |
| Client               | Rolf Wiegner, Moers   |
| Company              | Altbausanierung Jansen, Duisburg<br>Gilbert Karwatzki, bathroom installations,<br>Essen   |
| Technical consulting | PCI applications engineer Stefan Marx   |

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### **Old bathroom transformed into modern interior to suit all generations**

After 21 years Rolf Wiegner from Moers finally decided to turn his bathroom into a modern, barrier-free interior. For the total refurbishment of the interior, the homeowner opted for the competent advice of contractors Altbausanierung Jansen in Duisburg and construction chemicals manufacturer PCI Augsburg GmbH. The result: Since the end of January 2013 the Moers resident has been the owner of a modern, light bathroom that, given the product quality and service of specialist PCI Augsburg GmbH, does more than merely look safe. Large-format tiles were laid on the walls and floor in order to make the small interior measuring no more than approx. 5 m<sup>2</sup> look larger. A practical and real

time-saving feature of the site was that on some of the walls tiles could be laid on top of the existing tiles. Since the walls were very uneven and there were some quite large holes in them, PCI Nanocret R2 was used to even out the surfaces. Pre-wetting the walls was all that was needed to ensure good adhesion of the repair mortar, and avoid the water dehydrating too quickly. Contractor Andreas Jansen applied PCI primer Gisogrund in the places where PCI Nanocret R2 was used and on the other porous substrates and the special wash primer PCI Gisogrund 303 on any non-porous surfaces in the room. Having primed the different types of substrates, the construction professionals then made certain that the shower area in particular remained waterproof. Thanks to their wide range of applications, flexible waterproofing slurries, such as PCI Seccoral 2K Rapid, are a reliable construction material when it comes to waterproofing immediately underneath tiles. To waterproof the corners and joints between components, the workers laid down the special waterproofing tape, PCI Pecitape 120, in the appropriate places. PCI markets a tried and tested system for large-format ceramic tiles. Hence the flexible tile adhesive PCI FT Flex was used following priming and waterproofing. The final stage involved applying the flexible joint grout PCI Nanofug Premium and sealing the corners and joints between components with silicone joint sealants PCI Silcoferm S, DIN-Polyband and PCI smoothing agents.

## Images



By no means an isolated case in Germany: for a long time now many houses and their interiors have failed to satisfy the modern demands of their occupiers. This is why their refurbishment is often inevitable, as in the case of the Wiegner family in Moers where a joint venture between the companies Altbausanierung Jansen and PCI Augsburg GmbH transformed an old bathroom into a contemporary interior to suit several generations.



The bathroom fittings had clearly had their day, so the refurbishment was intended to get the best out of the bathroom. The dark colours made the already small space look even more minute. Moreover, the bathroom fittings literally ate up the space.



The previous interior by no means satisfied the demands of a contemporary bathroom, namely that it be modern, light and barrier-free. Refurbishment was the only option. It took construction professionals from Altbausanierung Jansen based in Duisburg just under six weeks to transform the old bathroom into a haven of well-being and space according to the guidelines of barrier-free design.



Out with the old: giving the small bathroom a new look and contemporary features entailed removing the floor tiles and some of the wall tiles. The installation of the bathroom fittings, which formed the preparatory work, was carried out by Gilbert Karwatzki from Essen.



Although far from complete, the bathroom has already acquired new forms. The toilet now stands where the bath used to block access to the rest of the room. Standing in the space previously occupied by the toilet, and therefore much more accessible, is a floor-level shower.



A floor-level shower is created. The XXL- format floor tiles are light in colour and particularly non-slip, ensuring users stand firm and can enjoy their showers safely.





So that its users get maximum pleasure out of their newly designed bathroom and tiling, the flexible adhesive PCI FT Flex was applied in the bathroom in Moers. The mortar is a specialist material for heavy, large-format tiles and equally suitable for tiles of smaller sizes. The optimised formula prevents the tiles sliding down, making them safe to apply.



A small space reveals its huge potential: having their bathroom redesigned has enabled the Wiegner family to make the most of the interior that measures only about 5 m<sup>2</sup>. Wholly tailored to the occupiers' needs, the light-coloured tiles and different layout of the new bathroom fittings make the interior look larger.



Like the entire room, the floor-level shower is fitted with non-slip floor tiles. In addition, the foldaway shower doors afford plenty of space and comfort.



Presenting the new, modern, and, above all, barrier-free bathroom belonging to the Wiegner family in Moers. Total refurbishment including new floor and wall tiles and a different interior design has transformed a small bathroom into what now seems a haven of well-being and space – as if by magic.