

Object	<b>Engine house of the Augsburg-Inningen volunteer fire brigade</b>
Date	2012
Location	Augsburg-Inningen
Implementation	2011-2012
The task	Coating the floor in the new engine house with an especially tough, hard-wearing and safe covering
Size of object	300 m <sup>2</sup>
Products used	Epoxy coating PCI Apoten, Top sealing PCI Finopur, Synthetic Coloured Flakes PCI Farbchips
Client	City of Augsburg represented by AGS Company
Company	PCI-Department ATP ( Applications Technology)
Technical consulting	PCI Applications Engineer Günther Goth

## **A sturdy base for rescue operations**

When the Inningen volunteer fire brigade responds for its next rescue mission, it will set out from a firm, state-of-the-art base. Because its new engine house was dedicated in June of 2012. At a good 1,000 square metres, it has an engine room for four fire engines, workshops and storehouses, as well as a two-storey recreation facility. To prevent the firefighters from going into a skid in case of a fire, the floor was equipped with a non-skid coating from PCI Augsburg GmbH. The Augsburg-Inningen volunteer fire brigade's old engine house had not been up to current standards for a long time already. "There was no getting around a new building", according to commander Roman Grundl. And so arose the new engine house during the period April 2011 - June 2012 with a contract value of 1.6 million euros. The floor work was performed in just two weeks during May of 2012. The key requirement of the floor covering consisted in the maximum strength to resist the unique stresses that a fire fighting operation entails. Apart from the durability of the flooring, the safety of the firefighters is also a primary concern because there is a severe risk of falling due to spills or indeed small puddles. Presented with this safety-critical backdrop together with the economic

considerations the choice fell to the combination of PCI Apoten epoxy coating for industrial floors subject to intense mechanical and chemical stress and PCI Finopur as top sealing. PCI Apoten was charged with siliceous sand as a padded easy-to-process coating. In order to attain the R12 skid resistance rating, PCI Finopur hollow glass microballs were added to the top sealing. PCI Farbchips ensure an attractive look. Altogether, 600 kilograms of PCI Apoten plus 480 kilograms of siliceous sand and 35 kilograms of PCI Finopur were used. PCI's Applications Technology Testing Dept. was tasked with completing the coating work. Project Manager Günther Goth and four other colleagues needed two weeks in all to coat the flooring. Everyone concerned was completely satisfied with the result of the work. Fire brigade commander Grundl took positive stock in every respect: "The skid resistance that was realised proved itself during the wet weather at the time of the dedication. The upkeep of the engine room and the workshop is much easier now and the operation has become safer when responding to an emergency. We really like the look that the coloured flakes create too."