

Renovation of a 380 m² area with floor filler in just 3 hours

The demands placed on office rooms have changed considerably with the accelerated spread of computer technology. Thus, AEG is undergoing a general renovation of its office space in Nuremberg. An important step in the redesigning process is the installation of a new floor. The executing floor installation firm Alexander Zernik from Allersberg, with the help of the PFT ESTRICHJET mixing pump, succeeded in increasing both the quality and the efficiency of the work considerably. The initial contract included the renovation of a surface of about 380 m²; since then, Alexander Zernik at AEG has renovated no less than 1400 m² of office and work space.

Floor renovation is done as follows: The available old floor covering is removed, adhesive and filling residues are milled off. The area for the new installation had to be prepared. To make the sub-floor clean and dust-free, experienced floor installers use an industrial vacuum cleaner. The next step is manual. A dispersion is applied with a foam rubber roller as a primer that must dry at least 24 hours.

The next step used to be performed manually. The materials were mixed in a bucket with a mechanical beater, but pouring and spreading the self-levelling floor filling were physically strenuous activities. Today it's the PFT ESTRICHJET'S turn. Advised by the PFT sales representative Otto Iff and the Nuremberg PFT partner dealer Göckerritz, Alexander Zernik now mixes the PFT ESTRICHJET in a single step, pumps it to the



Smooth and level: the new floor covering in the rooms of AEG in Nuremberg.

installation site where it is placed. The PFT ESTRICHJET was equipped with a D6-3 screw pump for the material requirements of the Uzin-NC-110 pumpable filler.



The material must be applied at a thickness of 5.5 mm and spread out in such a way that a level and smooth surface is created. "In the past, we would have needed at least two days for such an area with this layer thickness," said Alexander Zernik. After all, nearly three tons of material had to be prepared and moved. The time factor is not the real problem but rather the fact that it is only possible to create a maximum layer thickness of 3 to 4 mm. And the demands for a flat and homogenous surface have

become more difficult to meet. With the help of the PFT ESTRICHJET, up to 22 litres of material can be mixed and placed per minute. In a surface area of 380 m², the work was completed after only 3 hours.

The new sub-floor must dry completely another 24 hours until the finished floor covering – in this case electrical, conductive linoleum – can be installed.

Alexander Zernik and his crew would just as soon not want to know how many buckets they would have otherwise had to carry by hand.

Technical data:	PFT ESTRICHJET
Pumping capacity approx.*:	approx. 60 l/min
Manometric pressure:	15 bar
Pumping distance:	60 m
Drive:	5.5 kW, 400 U/min
Electrical connection:	400 V rotary current, 16 A
Water connection pressure:	3/4", min. 2.5 bar
Filling height:	1120 mm
Hopper capacity:	70 l
Dimensions L/W/H:	1200/720/1350 mm
Total weight:	145 kg

* Depending on pump design, mortar quality, consistency, and mortar hose diameter.