

Full-coverage thin-bed mortar joints in flat clay block masonry can now be prepared in an even more economical way - with the aid of PFT equipment.



# Mechanical Preparation of Full-Coverage THIN-BED MORTAR JOINTS

The flat clay block construction technique generally requires high accuracy, and Bernhard and Horst Hemmerlein, the owners of Hemmerlein Bau GmbH, a building firm based in Ebsfeld (near Coburg, South Germany), know that very well. Their company was charged with the construction of the shell of a house in Coburg. The masonry was to be made of Wienerberger Poroton flat clay blocks.

## Laying Flat Clay Blocks in the Full-Coverage Technique

When laying flat clay blocks with full-coverage thin-bed mortar, the mortar layer applied to the joints has to be as thin as possible - this helps to minimise the consumption of material. And this financial aspect is not the only benefit for building owners. The time needed for bricklaying is also considerably reduced, thanks to specially developed aids for thin-bed mortar application, such as the mortar roller.

The mortar roller ensures that the thin-bed mortar fully covers the brick surface and closes the holes. To achieve this, the bricklayer fills the hopper of the mortar roller with the mixed thin-bed mortar and moves the roller along each row of bricks. The result is a uniform, uninterrupted bed joint on which the next layer of bricks can then be placed.

## Saving Even More Time with PFT

At the building site in Coburg, the workers of Hemmerlein for the first time applied thin-bed mortar with the aid of a PFT machine, to save even more time in shell construction. From the Bamberg-based PFT partner trader Sponsel, the firm had bought a PFT RITMO mixing pump, which was used to mix the mortar. Until then, mortar had always been mixed by hand. This PFT RITMO eliminated the strenuous work step of manual mortar mixing with a double-shaft mixer. The machine, placed centrally on the building site, performed its task by one push of a button. From the PFT RITMO, the lump-free thin-bed mortar mixture was pumped to a tub through a short material hose. Then the workers could simply fill their mortar slides with material from this tub and work even faster. With the aid of their PFT mixing pump, the tradesmen of Hemmerlein Bau GmbH built the masonry of this house in a record time!

Photo: Wienerberger Ziegelindustrie ■



At the building site in Coburg, the first step of the flat clay block construction technique - mortar mixing - was done by the PFT RITMO mixing pump.