

Facade Renovation with Flexible Machine Technique

The foundation stone of the catholic church St. Georg in Ertingen was probably laid in the year 1631. In 1899 the main aisle has been lengthened and on both sides aisles were built. At the exterior the church received an identical plaster. In 1938 a rough plaster was applied onto the existing plaster.

Under the management of the architects Schirmer & Partner,

Ertingen, the church facade was rebuilt in 1992 according to the design of 1899. The contract for the plastering works was awarded to the well known stucco company of Ertingen Herbert Binder that had the opportunity to celebrate its 100th anniversary in 1991. The third generation of the founding owner was now in control of the company.

The complete exterior plaster of 2,400 m² within the church and the 61 m high tower was removed and after examination new plaster was applied. They handled 5 t of preparation mortar of 5 mm grain size, 4 t of restoration plaster of 2.5 mm grain size, 80 t of base coat and leveling plaster of 2.5 mm of grain size. The final coat of

8 t with 2 mm grain size of the company Schwenk, Ulm, completed the works.

The company Binder had to solve the problem of how to plaster the whole area from a single position and with only one machine. From time to time there were 65 m of mortar hose connected. Moreover this plastering machine had to handle all mortar types up to the preparation mortar with a grain size of 5 mm. It had to be possible to adapt this machine to a container for the handling of the base coat as well as to feed it with bags for the final coat. Furthermore it had to be controlled by remote control and be variable in capacity according to the required quantities.

Thanks to the good advice of the PFT sales representative Peter Heck the company Binder used its most recent plastering machine the PFT OMP as this silent electrically driven machine perfectly fulfils all these requirements. The variable speed control made it possible to adapt the capacity of the machine always to the capacity required. By means of the PFT adapter HM 20 the machine could be converted for the feeding by silo in next to no time. The feeding by bags was carried out by means of the standard mounted HM 2.

In Ertingen a powerful enterprise set a new benchmark in the plastering technology with modern PFT technique.



PFT OMP in action during the facade renovation of the catholic church St. Georg in Ertingen.