

High-Quality Mechanical Jointing with PFT QUICKLI

Joint filling with the aid of machines and, as a result, an improvement in joint quality – this was what the jointing business Bangert in Volksdorf near Stadthagen (North Germany) took as its aim not long ago.

The application of a pasty jointing mortar offers significant advantages, especially a very high adhesion between mortar and brick and, after two days, joints that are watertight even under wind-driven rain. This phenomenal adhesion and the enormous tightness are the most effective protection against efflorescence.

In co-operation with Sakret Bremen, the mechanical jointing mortar MFE, a dry mortar fulfilling all the requirements of mechanical conveyance and application, was developed. After the experimental treatment of small surfaces, projects progressively increasing in size were carried out, in both the new construction and the rehabilitation of buildings.



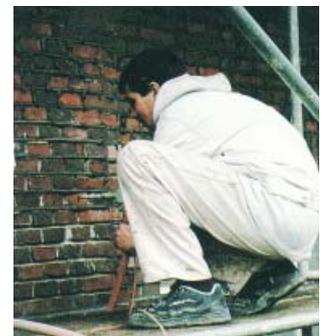
In October 2002, the new material really had to prove its worth. At the Institut für Hygiene und Umwelt (Institute of Hygiene and Environment) in Hamburg, facing masonry approx.

4,000 m² in area had to be restored.

Because of a working height of four scaffold levels, Bangert looked for a small and light machine – and found the

PFT QUICKLI. Thanks to a total weight of 34 kg and a width of 50 cm, the PFT QUICKLI offers optimal mobility on scaffolds. The operation of the machine, controlled by a pressure switch and equipped with a vario drive unit, proved to be extremely flexible, since the conveying capacity can be adapted to the joint type and even crooked corners do not pose any application problems. The Sakret MFE mechanical jointing mortar was mixed by a 1,600-watt PFT MIXER in a mortar barrel.

Hans Bangert, the proprietor of the jointing business, who worked on the façade himself, is convinced by the performance and flexibility of the combination of PFT QUICKLI and PFT MIXER, because it saved him and his workers a great deal of labour and effort. Another benefit is the fact that the conveying pump can quickly and easily be cleaned.



Technical data:	PFT QUICKLI
Drive:	1,500 W
RPM:	100–350 rpm
Power supply:	230 V mono phase
Conveying capacity approx. *:	1–4 l/min
Conveying distance up to approx. *:	Mortar: 7,5 m/ Paint: 15 m
Operating pressure:	max. 20 bar
Hopper content:	20 l
Dimensions L/W/H:	700 x 500 x 1,250 mm
Total weight:	34 kg

*Standard values, depending on: mortar quality/consistency, pump type, conveying hose diameter and conveying height.

The aims – mechanical jointing and improved joint quality – were achieved, and, what is even better, Mr. Bangert received numbers of few orders.