

# No less than 150 litres per minute!

## PFT DFP application with freshly manufactured mortar from the mobile mixer

Placing flow screed correctly requires the proper know-how and the right equipment. That is why general contractors often entrust their needs to specialised, flexible firms, such as Achim Loos GmbH in Bretten near Karlsruhe.

Master stucco craftsman Achim Loos started his own business at the age of 24. Thanks to having earned a supplementary qualification and obtaining the corresponding machine



Flow screed from the mobile mixer made it possible to maintain high pouring rates. The PFT DMP diesel engine only ran at three-quarters of its capacity.



equipment from PFT, he and his specialists for screed pouring are established partners.

Some of the recent larger buildings are a residential and business house with hotel, cinema and shops in Bretten. A total of 6,800 square metres of flow screed had to be poured. Flexibility was a priority, since the screed work was requested just-in-time depending on how far construction work had progressed. About 900 square metres per storey had to be poured in the shortest time possible.

This is why Achim Loos ordered the flow screed as factory-fresh mortar from the mobile mixer. By using his PFT

DFP diesel-operated flow screed pump, he was able to maintain a pouring rate of nearly 200 litres per minute or 12 cubic metres per hour. A rugged mobile mixer with an eight cubic metre drum only ran 40 minutes before the material supplier had to request the next one. Hose lengths of 40 to 60 metres with diameters of 50 mm and 20 metre hoses with



40 mm diameters were used. At times, Achim Loos needed up to 120 metres of hose when work was conducted at a height of 30 metres.

Even then the pouring rate did not fall below 150 litres a minute.

As soon conditions permitted it, Achim Loos had the hose length shortened. The contents of the removed hose was conveyed back to the material hopper by water pressure with the help of a sponge ball.

Cement flow screed was placed in the cellar and in the wet rooms. In the other rooms, calcium-sulphate bonded material was placed, in part on the floor heating pipes.

Technical Data:	PFT DFP
Pumping capacity <sup>1</sup> :	ca. 60–200 l/min
Manometric pressure:	max. 20 bar
Pumping distance	up to 150 m
Drive:	25 kW (32 PS) max. 3600 min <sup>-1</sup>
Pump:	80 – 320 min <sup>-1</sup>
Motor: water-cooled 4-cylinder diesel motor	
Hopper capacity:	200 l
Filling height:	1150 mm
Dimensions (L x W x H):	4100 x 1800 x 1150 mm
Empty weight:	690 kg