

Quick cleaning

and easy
replacement



Hawiflex® mixing tools have been installed since 2010 at the Dyckerhoff Flörsheim production facilities in a 30 year old twin-shaft mixer that still functions well. The head of maintenance there, Mr. Gebauer, is still very happy with the decision to try out the Hawiflex® mixing tools.

The harsh, just-in-time climate of ready-mix concrete production facilities makes it absolutely essential that system components perform with round-the-clock reliability. Rapid cleaning times and an uncomplicated means of replacement spring to mind as only two of the positive features that mixing tools must exhibit.

Mr. Gebauer is head of maintenance at Dyckerhoff for the Rhine-Main-Taunus region and responsible for improvements in his concrete mixing plants. He, himself, has been active in the concrete industry since 1994 and began as maintenance manager for four production facilities at Dyckerhoff. Nowadays, he oversees 19 ready-mix concrete production facilities from Limburg to Karlsruhe. Differing rules and technical challenges apply in each facility. These concern especially the heart of

each system – the mixer. Nine pan mixers, four twin-shaft mixers and seven spiral mixers are spread about amongst the 19 facilities. All pan and twin-shaft mixers have been fitted with Hawiflex® mixing tools.

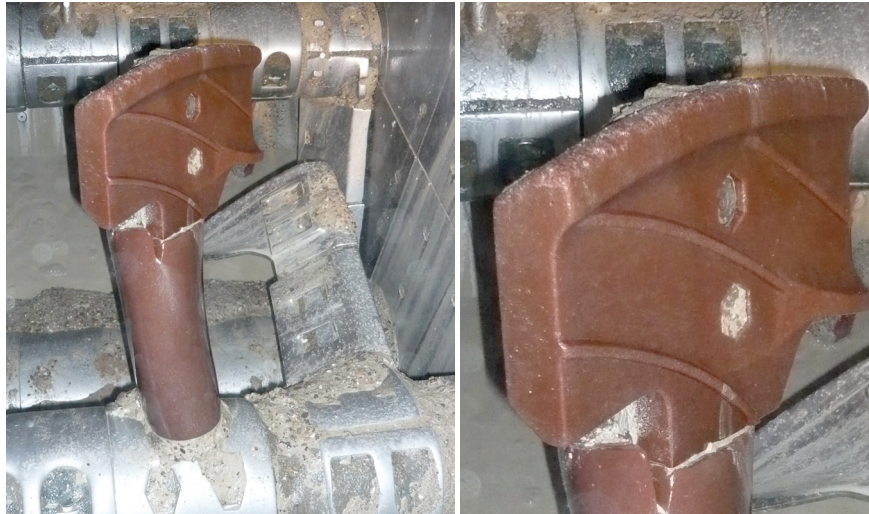
Mr. Gebauer can still well recall the first tests with Hawiflex® at the Flörsheim plant. "What can be said in that case is that there was no difference in service life between Hawiflex® and cast iron and we thought that was very good!"

The mixer's washing system is only activated for 10 minutes once a day at the end of a working day. However, using a normal water hose for approx. 20 seconds is sufficient for a rapid clean-up of the blades without any need for high-pressure. "That's one of the reasons why we are pleased with Hawiflex®. Cleaning times, and, in particular, the labour-intensive caking on the rear of the blades, require a great deal of work with cast iron tools. The concrete collects at these points and naturally keeps on building up if nothing is done about it," says Mr. Gebauer.

Intensive cleaning activities with a brush and hammer of course mean additional workload. He had seen mixers where "sometime along the line you could get only the half in.



Hawiflex® mixing tools in operation at Dyckerhoff ready-mix concrete production facilities.



No adhesionproblems!

Using Hawiflex® mixing tools has solved this problem,” explains Mr. Gebauer.

Hawiflex® mixing tools are produced in-house at habermann materials using a special formula, which was developed specifically for the concrete industry more than 45 years ago. The company concentrated its attention on problems from the rugged world of concrete known at that time, such as, concrete caking, risk of breakage and weight – an important factor in handling. Its aim was to overcome them by means of the chemical and physical properties that polyurethanes possess.

The manufacturing process with Hawiflex® is more pleasant for mixing plant employees and more lucrative for earnings-driven management.

Hawiflex® mixing tools combine:

- Rapid exchangeability
- Outstanding wear resistance values

- Noise reduction
- Energy saving potential
- Elimination of material breakage and resultant damage to the mixer
- Simple adjustments and readjustments with the tools
- Clean mixer due to minor gap clearance

Long service life

The long service life with Hawiflex® blades on account of their high quality is one further advantage. “With these habermann materials mixing tools, there is no question of the blade detaching itself from the metal core. We have also had tools in operation, which have caused considerable trouble at a later date,” recalls Mr. Gebauer. The bond between Hawiflex® and the metal is maintained throughout the blades’ entire operational life. A total of 70% round particles and 30% chip-pings were processed in 2012. The blades have mixed just on 87,000 m³ and had only been adjusted twice.

Successful products

habermann materials products are currently operating successfully in ready-mix concrete and precast component production facilities. The manufacturer has made a point of supplying mixing tools for practically all common makes of concrete mixers. Besides providing support for German endusers, habermann materials mission is to expand the international sales of its products still further and strengthen the brand awareness of its mixing tools outside of Europe by means of its extensive dealer network. habermann materials support partners offer the same service as the mother company, on site, with their own stock of parts and complete access to the habermann materials catalogue programme and technology service.

Looking back, Mr. Gebauer is very happy with his Hawiflex® mixing tools. In fact, 19 production facilities can generate enough maintenance work without having to worry continuously about mixing tools.