

New type discharge hose tested and proven



Tested and proven – these discharge hoses can withstand the extreme stresses of daily work.

“The only problem you’ll have with this hose is that it lasts too long!” This joking complaint is the answer that Heiko Bohm, operations manager with Heidelberg Beton for the Berlin-Brandenburg area, gives when questioned about the seamless Truckflex® concrete hose from habermann materials – an answer that aptly describes their new generation of discharge hoses.”

- Resistant to formwork oil and release agent
- Good resistance against abrasive concrete with crushed particles

These points, which could potentially lead to rapid damage when using older discharge hoses made from conventional standard PU or rubber, have been significantly minimised with the latest generation of Hawiflex® Truckflex® discharge hoses. The rubber hoses formerly employed had, for the most part, only a service life of a few months. Constantly having to change hoses prompted Heiko Bohm, the manager, to try out this new type of discharge hose. After the initial successful outcome at Heidelberg Beton, the hoses were gradually exchanged in all their production facilities in the Berlin-Brandenburg area of Germany. Since then, Heiko Bohm no longer has to worry about obtaining hoses and, in a time when all employees are expected to accomplish ever more tasks, can save himself at least a small amount of additional work.

The reason why users are thoroughly satisfied with the Hawiflex® Truckflex® concrete hose is to be found in its patented manufacturing process—a two layer system.

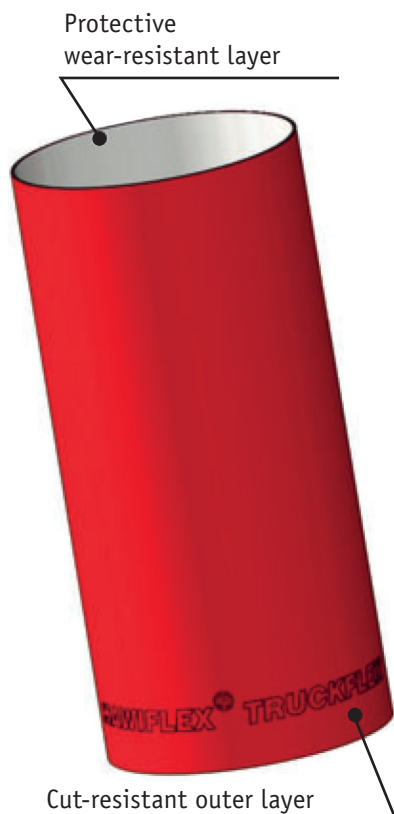


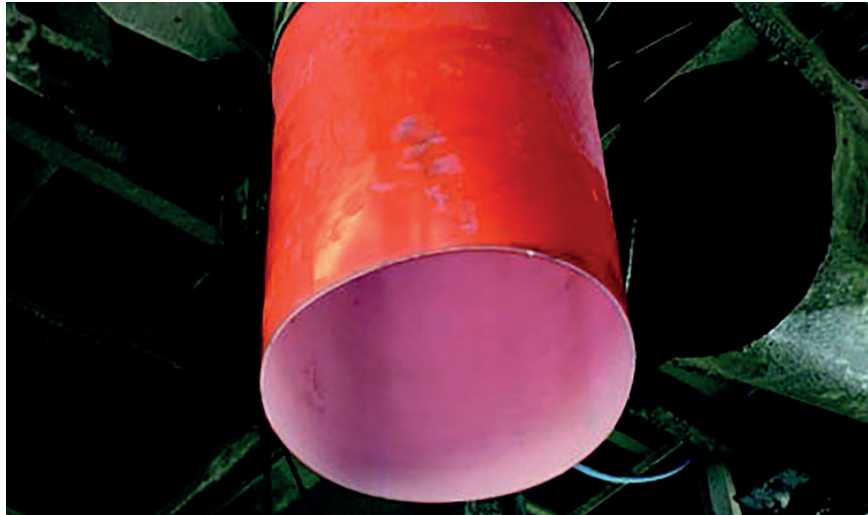
Illustration of the new type discharge hose system. The white wear-resistant layer in the interior and the cut-resistant outer layer in red.

habermann materials developed, patented and produced the Hawiflex® Truckflex® discharge hoses, which were installed in 2009 at the Heidelberg Beton concrete production facilities managed by Heiko Bohm, and which have withstood all the stresses of ready-mix concrete production since that time. The hose material exhibits the following characteristics needed in the course of their service life:

- Cut resistance to protect from damage when truck mixers with varying heights dock under the mixing tower
- Protection against splitting and/or being torn down if the hose from the transfer hopper is crooked
- Reduction in the risk of blockage if the discharge hose is kinked
- Not damaged by UV irradiation



No concrete residue can be detected after cleaning.



Mobility and dimensional stability!

- • • The inner wear-resistant layer is made from white Hawiflex® with 65 Shore A hardness, which gives the hose good manoeuvrability. This manoeuvrability makes it possible for truck mixers to drive under the mixing tower.

The outer layer consists of a special red Hawiflex® 83 Shore A material, which provides the hose with good shape retention plus outstanding resistance to tearing. In this way, no cut damage occurs with the hose when mixer trucks with a high superstructure drive under the hopper.

The two-layer hose system is also indissolubly bonded together by means of a patented production method.

The mixer foreman can check each hose's wear very easily and order a new one in good time, should the case arise that a discharge hose needs to be exchanged. The inner layer functions as a wear indicator.

If, after long service life, the red colour of the outer layer is visible inside the hose, the hose can be exchanged or turned by 180° if the wear is one-sided, thus allowing its service life to be almost doubled by a simple operation. The mixed concrete is mostly pitched against the same place in both hopper and hose, causing one-sided wear.

The Truckflex® concrete hose can be very easily and rapidly cleaned with a water hose. No concrete remains attached to the hose.

Another benefit, which is not to be underestimated, is the fact that the hoses, whose inner dimensions are between 500–600 mm and with lengths up to 1,000 mm, are manufactured seamlessly. This eliminates the weak point of a seam in a discharge hose system.

The innovative combination of two materials has led to a significant reduction in the weight of these discharge hoses. A hose change can be carried out rapidly and with minor manpower requirements.

Resistant to oils

The oils utilised in concrete production facilities, whether they are formwork or mixer protection oils, cause rubber hoses to swell after a short period of time; explicit reference is made to this with mixer protectors. The Hawiflex® material is resistant to these oils and keeps its shape for its entire service life.

This new generation of Truckflex® concrete hoses has become very well established on the market during the last three years and more and more customers are convinced of their benefits. Exchange intervals can be lengthened many times over with this Truckflex® concrete hose from habermann materials.

In future, little will be heard from Heiko Bohm, who has equipped his production facilities with this new generation of discharge hoses, as he does not have to bother with this problem anymore.