

Ha-Be Tunnel Team

THE TUNNEL EXPERTS



THE HA-BE TUNNEL TEAM

HA-BE

Ha-Be is an internationally operating manufacturer of concrete admixtures, concrete colours and surface protection systems. Since our establishment in 1970, we count numerous companies in the concrete industry among our satisfied customers.

Besides high-quality products, we possess several concrete testing laboratories. Our engineers and concrete technologists are not only specialised in supervisions but also in technical and economical concrete optimisation and applied technologies.

Customers profit from our engineering service, our competence and our high technical expertise. As a medium-sized, owner managed company we provide more than solid support: We are flexible to find outstanding solutions according to customers' requirements in the short term. Just one reason, why we have become one of the leading companies in the construction chemical industry.

HA-BE TUNNEL TEAM

Since several years the Ha-Be Tunnel Team has been supporting remarkable tunnel projects. The competent team is exclusively specialised in underground construction and is acquainted with the special requirements of those projects. Besides adjusting our products the Ha-Be Tunnel Team supports the entire construction process on site. Equipped with mobile laboratories, our certified engineers and technologists supervise concrete and submit independently application, processing and technique proposals.

Having a long-experienced team and high technical expertise we are your strong and efficient partner for all underground construction challenges.





Ha-Be Tunnel Team

COMPETENCES IN TUNNEL ENGINEERING

PRODUCT SYSTEMS

A continuous product research and development ensures a fast transformation of individual project requirements into customised admixture solutions. Among these are:

- PANTARHIT®- high performance super plasticiser for sprayed concrete, for casting the tunnel inner shell and precast tunnel segments
- Retarding and air entraining agents
- Curing compounds
- Separating and care agents
- Fibres

APPLICATION TECHNOLOGY

Besides customised admixtures we deliver the corresponding dosing and handling technology. Among these are:

- Tailor-made admixture dosing units
- Storage systems for various climate conditions
- Dosing units for additives

SERVICE

A customer-orientated application technology completes our range of services.

- The Ha-Be Tunnel Team ensures a proficient support during the entire construction period.
- By means of our mobile concrete laboratory services, the Ha-Be Tunnel Team is able to adjust products, dosage rates and mix designs according to changing conditions in the short term.
- With our own truck fleet and road tankers we ensure a fast, reliable and professional delivery of our products.



INNOVATION – TECHNOLOGY – TRADITION



INNOVATION

Concrete for underground engineering has to meet the highest requirements. To fulfill them, we have developed an innovative product system for the tunnelling and mining industries: the **DPS – Depot Power System**.

The **Depot Power System** contains a range of super plasticisers of the third and fourth generation. By the means of the Depot Power System technology a cyclical plasticising effect is generated. Thus a significant improvement of the workability time and an enhanced, smooth processing of concrete is achieved.

TECHNOLOGY

To match the technical and economical targets of underground construction, the Ha-Be Tunnel Team supports contractors and clients with customised process solutions. Whether for sprayed concrete, concrete for casting the tunnel inner shell or the production of precast tunnel segments, we supply the right admixture system and technology.

Each tunneling project has got its own base materials and technical challenges. In our own mortar, concrete and chemical laboratories we develop mix designs and customised solutions by using the project cement and aggregates. Essential for this process is our close contact and coordination with the contractor and project engineers.



TRADITION

A long project experience enables us to adapt new challenges and situations. During the last years we supplied admixture solutions for fascinating tunnel projects. Among these are:

- Weserauentunnel
- Rennsteigtunnel
- Heidkopftunnel
- Jagdbergtunnel
- Bibra-Tunnel

Ha-Be
Making good concrete better



www.ha-be.com

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