

## Ha-Be Ferrox

**Powder pigments acc. to EN 12878 for colouring concrete**

### FIELDS OF APPLICATION

Ha-Be Ferrox are high-quality, iron oxide-based pigments for colouring cement and lime-bound construction materials. The pigments are available in various shades of the colours yellow, orange, red, brown and anthracite.

The ready-to-use pigments tint the concrete structure homogeneously and allow an easy pigment distribution within the concrete mixture. This process provides an even and reproducible colour scheme with intense colour brilliance.

Ha-Be Ferrox is especially used in the production of paving stones, palisades, noise protection walls, precast concrete parts and all other cement-bound construction elements.

### DOSAGE

Recommended dosage 1 - 5 mass-% of the binder content

### WORKING PRINCIPLE

Ha-Be Ferrox is easily to dispense in the concrete mixture which leads to a homogenous and durable colour result.

Ha-Be Ferrox is weather-proof, UV-stable and widely resistant to chemical loads.

### TECHNICAL DATA

Homogeneity	homogenous
Colour	See colour chart or sample
Chemical base	iron oxide
State	powder
Density*	4.0 – 5.0 g/cm <sup>3</sup>
pH-value**	3 – 10
Chloride content	< 0.10 mass.-%
Workability	from +1 °C
Shelf life	approx. 2 years from date of production if stored properly.
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature

\* depends on shade

\*\*10 g pigment dissolved in 100 g water | depends on shade

## PROCESSING INDICATIONS

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Ha-Be Ferrox should be added to the dry sand/gravel mixture before cement and water are added.

The dry mixing time should be 25 - 40 seconds.

**Note:** Changes in cement sort, water/cement ratio etc. might lead to colour variations in concrete.

This product is not classified as hazardous according to the EC directives, regulations on hazardous substances and forwarding instructions. The generally accepted precautions for handling chemicals must be followed. The corresponding Material Safety Data Sheet is available upon request.

## PACKAGING

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- 25 kg Bag
- 500 kg Big Bag
- 1000 kg Big Bag

## REMARKS

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This information describes the application- and processing possibilities of a product and its operation principles under regular conditions. Having no influence on the further application and processing, especially in conjunction with other construction materials, the given indication are neither a warranty in respect of the product's properties or its fitness for a particular purpose nor a full instruction of use. This information, any other recommendation or verbal advice are not binding and do not infer to any liability or legal demand.

Due to continuous further development, the most recent Technical Data Sheet is valid and will be supplied on request. All orders are accepted subject to our current general terms and conditions.

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**SUITABILITY- AND PRELIMINARY TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE COLOR!**