

# Ha-Be Color Chromgruen

Liquid colour acc. to EN 12878 for colouring concrete green

## FIELDS OF APPLICATION

Ha-Be Color Chromgruen is a chromium oxide-based pigment slurry for colouring cement and lime-bound construction materials green.

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

Ha-Be Color Chromgruen 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: 4 - 8 mass-% of the binder content

## WORKING PRINCIPLE

Ha-Be Color Chromgruen is produced in a special dispersing process which provides an optimal pigment spread within the slurry and leads to a homogenous and intense concrete colouring.

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

## TECHNICAL DATA

Homogeneity	homogenous, agitate or circulate before use.
Colour	green
State	liquid
Density	1.60 – 0.10 g/cm <sup>3</sup>
pH-value	9.0 ± 2.0
Chloride content	< 0.10 mass-%
Workability	from +1 °C
Shelf life	approx. 6 months from date of production if stored properly.
Storage conditions	store in unopened, original sealed packaging between +5 °C and +25 °C. Protect from frost and insolation.

## PROCESSING INDICATIONS

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Ha-Be Color Chromgruen should be homogenised using any suitable method. Agitation or circulation is recommended before the product is firstly used and after an undisturbed period of time.

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

The dry mixing time of approximately 25 - 40 seconds should be maintained.

**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 CLP regulations. See safety data sheet for further information.

## PACKAGING

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- 30 l can
- 200 l barrel
- 1000 l container

## FROST PROTECTION

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Upon request, we deliver the Ha-Be Color slurries with an additional antifreeze additive. The slurry is frost resistant up to approximately -8 °C.

## 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 is 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.

Edition: 04 July 2023

**SUITABILITY- AND PRE-TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!**