

HA-BE CSD - Line

Concrete Surface Deactivator for the production of exposed concrete surfaces

FIELDS OF APPLICATION

The HA-BE CSD - Line contains different reactive surface deactivators for the production of exposed aggregate concrete surfaces, for all exposure depths, from micro-exposure to coarse aggregate exposure, and especially for:

- Precast concrete elements
- Cast stone/artificial stone
- Pavers, bricks, blocks, columns, etc.
- Cast-in-place concrete for decorative paving and walls
- Construction joints

BENEFITS

The product has the following advantages:

- Suitable for negative and positive application
- Suitable for horizontal, vertical and structured moulds
- Available in 4 different exposure depth types
- Good coverage and easy workability
- Suitable for all kinds of moulds/formliners
- Easy and fast mould cleaning
- Improved slip resistance at the surface.
- Enhanced dirt and stain protection.
- Attractive and easily maintained decorative pavement.
- Cost effective with competitive life time costs.

DOSAGE

The dosage depends on the field of application, prevailing weather conditions, the application procedure, and the absorbency of the mould surface/the configuration of the spraying device and manual application rate. By positive application: 1 kg for approx. 7-15 sqm. A recommendation is given on the last page.

Pre-tests have to be conducted.

DIFFERENT EXPOSURE DEPTH

HA-BE CSD are available in 4 different exposure depth types:

HA-BE CSD	050	150	250	400
Item No.	3900	3901	3902	3903
Aggregate sizes of concrete (in mm)	0-4/8	2-8	6-8/12	8-16/22
Approximate exposure depth (in mm)	0.5	1.5	2.5	4.0
Colour code	blue	green	pink	white

To ensure a clear distinction between the different exposure depths types and to simplify re-ordering, HA-BE CSD possess colour pigments. These pigments have no functional characteristic or effect, but visualise the amount applied and thus avoid over- and/or under-application.

TECHNICAL DATA

Homogeneity	homogenous
State	liquid
Shelf life	approx. 6 month from date of production if stored properly
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature.

PROCESSING INDICATIONS

For positive (top-surface) application:

CSD Deactivator should be sprayed onto the fresh concrete surface, taking care to cover the surface thoroughly and evenly.

We recommend application with an airless spray-gun, nozzle size 2.5 mm.

The concrete surface must be smooth, free of excess surface water and especially free of any segregations. The drying time depends on the outside temperatures and the consumption of the material and may vary between 10 and 60 minutes. For cast-in-place applications we especially recommend our CSD Deactivator because it additionally has an incorporated curing membrane and rain-protection-function.

Wash-out:

Normally takes place within 24 hours, resp. when the concrete has reached demoulding stability.

It is very important to keep the same washing-rhythm when producing a coherent series of elements. The washing-rhythm may have to be adjusted if the outside temperatures change considerably. The panels should remain in the moulds until washing and should then be washed immediately after stripping/demoulding. If this is not possible, it is recommended to keep the surface moist. The most efficient way of washing the panels is with a high-pressure water-jet. If the CSD Deactivator is applied appropriately and skilfully (thin coating), no traces of the active ingredients of the CSD Deactivator should be found in the wash-off water, as the active ingredients are used up during the reaction with the concrete.

PACKAGING

- 18 kg can
- 120 kg barrel

HEALTH & SAFETY

This product is classified as hazardous according to the CLP regulations. See safety data sheet for further information.

REMARKS

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 indications 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 ADMIXTURE!