

Ha-Be Dust Collector 100

Highly efficient product for reducing dust emissions

Item No 3800/D

FIELDS OF APPLICATION

Ha-Be Dust Collector 100 is a specially developed, highly efficient product to reduce dust emissions. Ha-Be Dust Collector 100 is suitable for use on dusty surfaces and solid bulk materials such as coal, coke, ores, sulfur, sludge, earth, sand, fertilizers and solid waste in industrial warehouses and open storage areas, especially in windy areas and dry regions.

Ha-Be Dust Collector 100 can also be used on unpaved roads, open railway transports and for continuous dust binding ("knock down").

After adding with water, Ha-Be Dust Collector 100 creates a polymer film that solidifies the surface of the treated material.

Ha-Be Dust Collector 100 offers the following benefits:

- Easy application with common spraying devices
- Excellent cost/ performance-ratio
- Long-lasting protective effect
- High resistance of the treated surface against wind erosion, thereby reduced material loss
- No health hazard due to dense dust clouds, airborne dust or combustible dust
- Contribution to ecological sustainability through significant water savings

DOSAGE

RECOMMENDATION OF DILUTION AND DOSAGE

DUST FORMATION	MEDIUM	STRONG	VERY STRONG
Dilution ratio Ha-Be Dust Collector 100 and water	10%	10%	10%
Application quantity	1.5 kg/m ²	2.0 kg/m ²	2.5 kg/m ²

The dosage has to be determined for each application and depends on the material to be treated, the

prevailing weather conditions and the application procedure.

WORKING PRINCIPLE

Ha-Be Dust Collector 100 penetrates and solidifies the surface of the treated material. The protective effect is retained even after drying.

In continuous applications, airborne dust is immediately bound and settled.

TECHNICAL DATA

Homogeneity	homogenous
Colour	grey
State	liquid
Density	1.03 ± 0.02 g/cm ³
pH-value	3.5 ± 1.0
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature.

PROCESSING INDICATIONS

Ha-Be Dust Collector 100 can be applied with any type of spraying device that can spray water-based solutions.

Product concentration and application rate (volume of the diluted solution per m²) can be varied, for example to reduce water consumption.

Surface Application

In heavy rain, surface application should be avoided to prevent long drying times and material losses due to erosion.

Any spray equipment that can evenly apply water-based solutions can be used for this application. Especially efficient is the application with the spray application "Spray Bar Dust Collector" of our partner company BM-Anlagenbau.

Ha-Be Dust Collector 100 has to be sprayed diluted and evenly onto the surface. The dilution is normally in the range of 5 to 10% in water; the dosage is 1.5 – 2.5 kg/m² of the diluted solution.

If the treated surface has been exposed (e.g. by removing material), the untreated surface must be treated again in the manner described to restore optimal protection.

Depending on the weather conditions, the treatment must be repeated after a certain time in order to maintain the protective effect.

Due to the biodegradability of diluted solutions, it is recommended that they be stored for a maximum of 2 - 3 days and to use new solutions for each application.

The diluted solution should be protected from high temperatures (e.g. by storage in direct sunlight).

Continuous Conveyor Application

For this type of application a simple spraying device consisting of pumps, lines and nozzles is required and has to be installed on the conveyor belt.

Ha-Be Dust Collector 100 must be diluted (5 - 10% in water) and sprayed evenly and continuously onto the transported material.

The recommended dosage is 100 - 500 g of pure product per ton of treated material. If the water content of the treated material has to be limited, for example use with fuels, more concentrated solutions can be used.

Ha-Be Dust Collector 100 is intended for industrial and commercial use only.

PACKAGING

- 1000 l container

HEALTH & SAFETY

This product is not classified as hazardous according to the current regulations. Refer to the corresponding Material Safety Data Sheet for further advice.

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!