

ombran HB

Highly sulphate-resistant, cement-bound bonding agent for mineral substrates



PRODUCT PROPERTIES

- Cement-bounded, one-component, C₃A-free bonding agent
- Allows diffusion of water vapour
- Bonding agent for mineral substrates
- General building supervision approval

AREAS OF APPLICATION

- Bonding agent for cement-based mortars from the ombran product range for the renovation of sewerage systems
- REACh-assessed exposure scenarios: periodical inhalation, application, long-term water contact

APPLICATION ADVICE

Substrate Preparation: See the data sheet "General Application Advice for manhole and sewer repair mortars".

Mixing: The mineral bonding agent is made up using ready-mixed ombran HB and water. Measure out the water and scatter the ready-mix mortar on it while stirring constantly. Mix until smooth and free from lumps until a slurry-like consistency is obtained. Slow-running double stirrers are suitable for mixing the mortar. The mixing time is 3 minutes. Mixing by hand and the mixing of partial quantities is not allowed.

Mixing Ratio: About 4.0 to 4.5 litres of water are needed for a 25 kg bag of ombran HB. Since ombran HB is cement-bound, the amount of water needed may vary.

Application: Pre-wet the substrate before applying ombran HB. Highly absorbent substrates should be pre-wetted more than once. Brush ombran HB thoroughly into the damp but not saturated substrate. Do not prepare an area larger than that which can be coated with mortar "fresh-on-fresh". Short-bristled brooms or brushes are suitable application tools. It is not allowed to agitate congealed material or make it processible.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	25 : 4 - 4.5	powder component : water
Working time	minutes	approx. 20	
Application conditions	°C	≥ 5 ≤ 30	
Consumption (flat) ¹⁾	kg/m ²	1.1	factory-dried mortar
Fresh mortar bulk density	kg/dm ³	approx. 2.2	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

1) object specific

Equipment cleaning agent	water
Colour	grey
Delivery form	25 kg bag
Storage	Can be stored in original sealed packages at temperatures between 5°C and 25°C in dry conditions for at least 12 months.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : ZP1

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2400020585]