

Technical data sheet / instructions

MINPUR® DP1 / IBB Boden

Design powder No.1 / industrial concrete coating for floors

Pure mineral floor and staircase coatings

DP1 / IBB Boden with new properties:

The DP1 / IBB Boden product was developed specifically for floors and staircases. This product is more hard-wearing than the combined product DP1 / IBB Wand. It has better flow and working properties and the support grain is already contained in the mix (i.e. it does not need to be added). The form stability has been increased to ensure that the mixing liquid cannot rise to the surface if the mixture is too thin. Like the DP1 / IBB Wand combined product, DP1 / IBB Boden is produced on the basis of cement. The industrial concrete coating consists of high-quality cement mixtures and various quartz lines. It barely differs from original industrial granolithic concrete, both in terms of its appearance and feel. After sealing, the finished product, as a permanent coating, has the properties to meet the requirements for use as a concrete substitute. It was ensured that the colour pigments and sealing products of the individual components are concrete-compliant. The appearance can be matched to an existing original granolithic concrete in terms of colour and structure.

Areas of application:

Floor coverings and stairs. Risk areas, such as outdoor spaces or surfaces under great mechanical stress, or areas where work involving great fluctuations in temperature is performed (high-pressure cleaners), should not be coated without the client's explicit consent.

Substrate and cracking:

In order to safeguard the adhesion of DP1 / IBB Boden, ensure that only concrete surfaces with a quartz bridge and 0.3 – 0.8 mm quartz grain (always whet or shot-blast) are coated.

The surfaces must be clean and free from dust, fat and oil. The stability of the DP1 / IBB Boden essentially depends on the substrate. Subsequent cracking can only be prevented by means of a stable quartz bridge in the substrate.

Pre-treatment:

The substrate must be clean and free from dust, fat and oil. Prior to DP1 / IBB Boden coating, the primer must be applied, which guarantees a firm bond between the upper and base material. Use undiluted (pure) IBB mixed water (M-10) as the primer. The subsequent mineral coating must always be applied on the same day as the primer so as to prevent any adhesion problems. Ideally the coating should be applied approximately one hour after priming.

Instructions / use:

Dry mix DP1 / IBB Boden with the desired colour pigments, using a stirrer (2 plates). For special colours, the colour pigments should first be mixed in equal quantities with M-10 mixed water. The addition of colour is limited to a maximum of 1.5 kg of colour pigments per bucket of DP1 / IBB Boden. Subsequently, mix with pure M-10 mixed water (approx. 4.1 – 5.0 litres) until the DP1 / IBB Boden has the appropriate application consistency (like cream). The coating must be applied **in one** or, **at maximum, two work steps** and must not exceed a total coating thickness of 1.2 mm. Prior to the second coating, the whetted and clean surface must be primed with M-10. Subsequent sealing takes place on the following day as, otherwise, particles might detach from the coating.

Sealing Option 1:

Once the DP1 / IBB Boden has dried well (at minimum 12 to 16 hours per layer), seal it once, using **EP-W-15**. Prior to the second sealing process, ensure that the first application has dried for a minimum of 12 hours and is whetted before commencing the second application. Subsequently, clean the area thoroughly.

Please note: The second application must always take place within 24 hours.

Storage:

Store DP1 / IBB Boden and DP1 / IBB Wand in a dry place. Always keep the container tightly closed.

Please note: To prevent drying marks from developing, ensure that the sealed surfaces are well ventilated (no draught). Possibly tilt open a window and leave doors open; in addition, use a fan for indirect ventilation.

Impregnation Option 2:

Once the DP1 / IBB Boden has dried well, impregnate it 2 - 4 times, using **Synfola P-IP 20 (polymer / crystallisation)**.

Disposal:

The product must not enter effluent or sewerage. Any leftover, mixed product must be left to harden in the bucket and subsequently disposed of in accordance with the regulations. Please comply with the applicable regulations for the proper disposal of waste at federal, cantonal, communal and international levels.

Cleaning of tools:

Use tap water to clean the tools.

Liability:

Neither the producer nor the supplier has any control of the storage or use of the products and, therefore, does not assume any liability or responsibility in this respect. All advice is non-binding. As a user, you are obliged to familiarise yourself and your staff with this product and to brief yourself and your staff with respect to its designated use. Any use of this product is at your own risk.

Product warning:

Please note (read) the safety data sheets. Avoid contact with eyes and skin. During the work, wear suitable protective equipment, safety goggles and gloves. For mechanical processing (grinding work), a dust mask must be worn. Any additional safety precautions required by the client must be adhered to.

First aid:

If swallowed, immediately rinse the mouth with water. Do not induce vomiting and call a doctor immediately. If vomiting has occurred, drink plenty of water. After eye contact, immediately rinse with plenty of water for 15 minutes and call a doctor. After skin contact, wash off with plenty of water and soap. After inhalation, ensure that the affected person immediately accesses fresh air and let him/her rest until fully recovered.

Delivery forms:

15 kg DP1 / IBB Boden coating powder
in 20 litre oval bucket.

For technical data on DP1 / IBB Wand and DP1 / IBB Boden, as well as M-10 mixed water, please refer to our EC safety data sheets at www.synfola.ch

CAUTION: For advice on safe handling, health hazards and risks involved in using these products, you must read the relevant technical data sheets, product safety data sheets and the labels on the containers prior to use.

For further information, please contact your supplier or Synfola! Tel: 0041 55 / 283 36 90 Fax: 0041 55 / 283 36 91

Our information is based on our experience and developments. While we warrant the flawless quality of our products, we do not accept any liability for the storage of the products and the success of the work carried out by you as we do not have any influence on the use or conditions for use. We recommend that you set up test areas in individual cases.

This technical data sheet supersedes the previous document. The information on this technical data sheet represents our best knowledge as at 1st January 2018 and is intended to provide readers with technical experience with advice on potential applications. We reserve the right to make alterations within the context of technical advancement.

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