

BASEBETON SOLID

USER MANUAL + TECHNICAL DATASHEET



PRODUCT DESCRIPTION:

Basebeton Solid is an epoxy-based concrete plaster with micronized quartz for application to floors in both dry and wet areas, but can also be applied to furniture and walls if desired.

USAGE:

Basebeton Solid can be used for:

- Finishing floors, furniture and countertops because of its strong adhesion
- Floors with heated surfaces, provided that the heating system has been installed in accordance with approved safety regulations and the correct mortar has been used for the installation in order to prevent cracking of the outer layers of the product and thus the product itself.

Basebeton Solid is suitable for indoor use only and is available in 22 standard colors but can also be supplied in the 64 standard Basebeton colors many RAL or NCS colors.

*(*Note: Due to the amount of pigment in the other Basebeton colors, RAL colors and NCS colors, the final drawing may be slightly different. Color may differ from RAL and NCS color samples. Basebeton Solid in RAL and NCS colors may become less liquid after production, in this case dilute and mix with up to 5% water).*

METHOD OF APPLICATION:

The surface on which Basebeton Solid is applied should always be clean, dry and free from any unevenness.

BASEBETON SOLID FLOOR SURFACE

Basebeton Solid is applied in three different layers. Always use Basebeton TechStone as the first layer, Basebeton Solid Basa as the second layer of Basebeton, always use Basebeton Solid Sense as the third layer. Before you apply the first coat of Basebeton, the surface should be smooth, clean and free of any unevenness. It is recommended to sand and dust the surface first.

PREPARATION (day 1)

Basebeton floor finish (based on a flat (!) subfloor, e.g. cement screed with flatness class 2 or higher or levelling).

Floors should always be treated with a technical coat. Before the technical layer can be applied, the floor must first be treated with MCG primer. MCG can be applied evenly with a coat or foam roller. The MCG has a drying time of +/- 1 hour (hand-dry). When the MCG is hand-dry, the technical layer (Basebeton TechStone) can be applied.

APPLYING BASEBETON TECHSTONE 2K (day 1)

Basebeton Techstone 2K is a two component epoxy based paste with micronized quartz that is supplied color-matched.

First mix the B-component through the Techstone A component for 3 minutes in the following ratio:

Techstone A-comp: Flacon B-comp

- 4,75 kg A component with 0,25 kg B component
- 9,50 kg A component with 0,50 kg B component

- 14,25 kg A component with 0,75 kg B component
- 19,00 kg A component with 1,00 kg B component

The Techstone can be applied with a stainless steel plasterer's knife (spackle knife or flexible trowel). Spread the first coat as evenly as possible for an even thickness over the entire surface, approximately at grain thickness (0.5 - 1 mm). TechStone has a light filling capacity (joints, sanding, etc. should be pre-treated first).

NOTE:

Please be aware that depending on temperature, humidity, working practice and/or local customs, the product can vary in terms of drying, hardness, workability and grain size in accordance with the client's preferences.

APPLYING BASEBETON SOLID BASA 2K (day 2)

When the technical layer is completely dry, the next layer can be applied. The substrate has to be free of any unevenness. It is recommended to sand and dust the technical layer first. The TechStone layer can be sanded with grit P40 to P80 and made dust-free with an industrial vacuum cleaner before the next coat can be applied.

After this the first layer of Basebeton can be started; the Basebeton Solid Basa 2K. First mix the B-component through the Solid Basa for 3 minutes in the following ratio:

Solid Basa: Flacon B-comp:

- 4,75 kg Solid Basa with 0,25 kg B component.
- 9,50 kg Solid Basa with 0,50 kg B component.
- 14,25 kg Solid Basa with 0,75 kg B component.
- 19,00 kg Solid Basa with 1,00 kg B component.

The Solid Basa 2K can be applied with a stainless steel plasterer's knife (spackle knife or flexible trowel). Spread the first coat as evenly as possible for an even

thickness over the entire surface, approximately at grain thickness (0.5 - 1 mm). The first coat determines the final Basebeton Solid look.

The drying time of Solid Basa is 16 to 24 hours at a room temperature of 18 to 25°C.

APPLYING BASEBETON SOLID SENSE (day 3)

Once the Basebeton Solid Basa layer is dry, the final layer of Basebeton Solid can be applied: The Sense. With the layer of Sense you make sure that the surface is completely "sealed". The layer of Sense must be scraped over the Basa 2K as thinly as possible (0.1-0.5 mm).

FINISHING (day 4)

After the Sense also is completely dry (the next day), the Basebeton Solid floor should be sanded using an eccentric rotary sander. For this sanding process, we recommend using sandpaper with a grain size of 80 to 100. Once the sanding is completed, the sanded surface should be made dust-free. This can be done, for example, with a soft duster or industrial vacuum cleaner with soft brush head.

For the desired end result, the Basebeton Solid floor is finished with the special Basebeton 2K-PU coating (SA Master Protect Plus Mat is supplied as standard). This coating consists of two components; SA Master Protect 2K-PU Comp A and SA Master Protect Plus Comp B. The coating can only be used when component A is mixed with component B. Add component B to component A. Mix well and pour the mixture through the MP 190 micron sieve. Then mix the mixture well again. Next, the coating can be applied using a microfiber roller. Roll the coating well crosswise over the surface to avoid any roller tracks.

All finishes for Basebeton are:

- SA Basic-Coat WB Matte (2K-PU)
- SA Basic-Coat WB Silk (2K-PU)
- SA Master Protect Extra Matte (2K-PU)
- SA Master Protect Plus Matte (2K-PU) (recommended for floors)

After coating, it is advisable to seal the seams for a seamless Basebeton finish. Our recommendation is to use a high-quality 1-component sealant. It is possible to order a Basebeton sealant by color so you can complete the project seamlessly. For processing the above finishes, please refer to the relevant manual + technical data sheet.

NOTE:

Please be aware that depending on temperature, humidity, working practice and/or local customs, the product can vary in terms of drying, hardness, workability and grain size in accordance with the client's preferences.

After the Basebeton Solid has been applied to the floor, this floor must - in connection with the composition of the Stone Age product - never be covered with tape afterwards (i.e. even when the floor is already in use!). This will prevent possible disturbing prints, which could damage the floor. Stone Age accepts no liability whatsoever for damage caused if the floor in question is taped contrary to these instructions.

APPLICATION CONDITIONS:

- Required room temperature of 18°C - 25°C.
- Required material and surface temperature of 12°C - 18°C
- Relative humidity of 40% - 70%
- Residual moisture percentage subfloor
 - Cement screed: max. 4%.
 - Anhydrite: max. 0.5%.
- Always turn underfloor heating OFF during application
- Always use edge strips and do not make rigid connections to the wall.
- Always carry out heating protocol: Cement and gypsum bonded must be at least 28 days old.

CONSUMPTION:

- MCG primer: +/- 50 grams per m²
- Basebeton Techstone: +/- 800-1000 gram per m²

- Basebeton Solid Basa 2K: +/- 700 grams per m²
- Basebeton Solid Sense: +/- 300 grams per m²
- SA Master Protect Plus: +/- 100 grams per m².

STORAGE PERIOD:

Basebeton Solid can be stored Up to 12 months from date of manufacture, if kept closed in the original pail and not exposed to extreme weather conditions and/or humidity. When doing so, ensure that edges and inside lid are clean.

MAINTENANCE:

We recommend using our Stone Age maintenance kit to properly clean and maintain the Basebeton Solid. By using Stone Age PU Cleaner regularly, the Basebeton Solid surface can be kept properly clean. By using the SA PU Protect Mat once in a while, the typical Basebeton look can be maintained. When Basebeton Solid is applied to your floor, we recommend that you apply a special protection to your furniture as supplied by Scratch No More (www.scratchnomore.nl).

SUSTAINABILITY:



Basebeton Solid is carefully manufactured to minimize CO₂ emissions, protect natural resources and reduce both waste and potential environmental and health risks. Basebeton Solid is a 100% ecological and natural product.

SPECIFICATIONS:

Type/ Appearance: paste

Resistance specifications (EN 1015-11):

- Compression after 28 days: 30 N/mm²
- Flexure after 28 days: >12 N/mm²
- Substrate gypsum-bonded: > 1.0 N/mm²

Fracture surface: Gypsum fracture

- Substrate cement-bound: > 1.3 N/mm².
- Fracture surface : In subfloor

- Scratch strength on system in N DIN 55656: 3
- Shore D - p: 87
- Fire resistance (EN 13501-1): A1

SPECIAL DESCRIPTION:

This product contains pulverized rock. Avoid contact with eyes and skin, as well as inhalation of dust. Use rubber gloves and safety glasses. Keep out of the reach of children. Do not apply base concrete products at room temperatures below 5°C or above 30°C. Empty pails should be disposed of in accordance with applicable legal regulations.

ADDITIONAL HEALTH AND SAFETY INFORMATION:

For information and advice on the safe handling, storage and disposal of chemical products, users of these products should take note of the most recent safety data sheet regarding physical, ecological, toxicological and other safety-related data. For more information on composition, ingredients and hazard identification, refer to the Material Safety Data Sheet at <https://www.stoneage.nl/en/safety-sheets>

DISCLAIMER:

This information, and in particular the recommendations regarding the application and use of Stone Age products, is provided in good faith based on our current experience(s) and product knowledge. This information applies with respect to products stored, handled and applied under normal conditions and in a proper manner, in accordance with Stone Age's advice. In practice, differences in materials, substrates and actual (working) conditions on site are such that no warranty with regard to merchantability or suitability for a particular purpose, nor any liability (arising from any legal relationship whatsoever) may be derived from this information or from any advice (both oral and written) provided by Stone Age. The user of the products should test the suitability of the products for the intended application and purpose. Stone

Age reserves the right to change the properties of its products at any time. The proprietary rights of both Stone Age and third parties must be respected. All orders to Stone Age are subject to the current applicable sales and delivery terms and conditions.

The harmonized European standard EN 13813 „Covering materials and floor coverings - material properties and requirements" provides specific requirements for screeds when used in floor structures. Structural screeds or coatings, which, for example, contribute to the load-bearing capacity of the structure, are excluded from this standard. Both synthetic resin floors and cementitious screeds are covered by this standard. These floors must be CE-labeled according to Appendix ZA. 3, Table ZA. 1.5 and 3.3 and meet the requirements of the Construction Products Directive (89/106).

¹ The last two digits of the year in which the qualification was awarded.



Stone Age B.V.
Butaanstraat 10
7463 PG RIJSSEN -
Netherlands