BASEBETON GRIT

MANUAL + TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

BaseBeton Grit is a highly durable, twolayer (1st layer TechStone 2K + 2nd layer Basa 2K) concrete stucco with micronised quartz for use on heavy-duty floors.

APPLICATION POSSIBILITIES:

Base concrete can be used for:

- Finishing floors due to strong adhesion
- Floors with underfloor heating, provided the heating system has been installed in accordance with approved safety regulations and the correct mortar has been used for installation to prevent cracking in the outer layers of the product - and thus in the product itself - v oork
- Suitable for indoor use only

Available in 20 standard colors.

WET ROOM PREPARATION

We recommend our one-component hybrid seal SA AquaStop for sealing in wet areas.

METHOD OF APPLICATION:

BASE CONCRETE GRIT FLOOR FINISH

On floors in wet areas, apply a thin coat of TechStone 2K over the dried SA AquaStop (due to its hardness). The drying time for this is approximately 24 hours. Note: According to the standard, the sealing layer must be permanently elastic. Pressure spots may occur punctually, which, however, do not affect the waterproofing. Finally, lightly sand the surface and continue processing (e.g. with BaseBeton Grit).

PREPARATION (day 1)
Base concrete floor finish (based on a flat (!) subfloor, e.g. cement screed with flatness class 2 or higher or levelling compound).

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. MCG has a drying time of +/- 1 hour (hand-dry). When the MCG is hand-dry, apply a layer of Eco-hecht over the surface. Eco-hecht has a drying time of +/- 1 hour. Then the technical layer (Basebeton TechStone) can be applied.

APPLYING BASEBETON TECHSTONE 2K (day 1)
Basebeton TechStone 2K is a twocomponent paste with micronised quartz on Epoxy base that is delivered in colour. TechStone can be applied with a stainless steel plasterer's knife (spackle knife or flexible trowel). Before use, stir the TechStone well and mix the B component into the A component. Spread the TechStone as evenly as possible over the surface. TechStone has a light filling capacity (joints, sanding, etc. should be pre-treated first). The consumption of TechStone is +- 800 to 1000 grams per m^2. Drying time is 4 to 6 hours at a room temperature of 18 to 25 °C.

You can also wait a day before applying the next layer.

Please note that drying, hardness, workability and layer thickness may vary depending on room/surface temperature, air humidity, method/layer thickness of application.

APPLYING BASEBETON GRIT - BASA 2K (day 2)
When the technical layer is dry, the next operation can be started. To do this, ensure that the substrate no longer has any unevennesses (sand build-up, thickening, etc.). It is recommended to sand and dust the technical layer first. The TechStone coat can be sanded with P80 grain sandpaper and made dust-free with an industrial hoover before the next coat can be applied.

After this, the layer of Basa can be started; the Basebeton Grit Basa 2K. First mix the B-component bottle with the Grit Basa for 3 minutes in the following ratio:

Grit Basa:	**Vial B-comp.**
• 4.75 kg paste	0.25 kg hardener
• 9.50 kg paste0	.5 kg hardener
• 14.25 kg paste0	.75 kg hardener
• 19.00 kg paste1	.00 kg hardener

Grit Basa 2K can be applied with a stainless steel plasterer's knife (spackle knife or flexible trowel). Spread the first layer as evenly as possible for an even thickness over the entire surface, approximately at grain thickness (0.5 - 1 mm) The first layer determines the final Basebeton look.

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

FINISHING (day 3)
After the Basa 2K is also completely dry (next day), the Basebeton Grit floor should be sanded using an eccentric rotary sander. For this sanding process, we recommend using sandpaper with a grain size of 80. Once the sanding has been completed, the sanded surface should be made dust-free. This can be done, for example, with a soft duster or industrial hoover with soft brush head.

For the desired end result, the Basebeton Grit floor is finished with the special Basebeton 2K-PU coating (SA OmniShield is supplied as standard). This coating consists of two components; SA OmniShield 2K-PU Comp A and SA OmniShield 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. The coating can then be applied using a microfibre roller or rubber spatula. Apply the coating well crosswise over the surface to avoid any roller marks.

Optionally, a second coat of lacquer can be applied to the surface.

All finishes for Basebeton are:
SA Basic-Coat WB Matt (two-pack PU) SA Basic-Coat WB silk gloss (two-pack PU)
SA Master Protect Extra Matt (two-pack PU)
SA Master Protect Plus Matt (2K-PU) (recommended for floors)

After coating, it is advisable to seal the seams for a seamless Basebeton finish. Our advice is to use a high-quality 1component sealant. It is possible to order a Basebeton sealant by colour so that you can complete the project seamlessly.

Give the Basebeton-Grit floor time to harden. The first three days it is advisable not to load the floor with water. After eight days, the floor has reached full strength and is too cured.

For processing the above finishes, refer to the relevant manual + technical data sheet.

Please note that - depending on customer requirements, temperature, humidity, working practices and/or local customs - the product's properties in terms of drying, hardness, (workability) and grain size may vary.

!! Caution: after the Basebeton has been applied to the floor, this floor may - in connection with the composition of the Stone Age product - never be covered with tape afterwards (so 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 - 25 ºC
- Required material and surface temperature of 12 - 18 ºC
- Residual moisture (in CM-%): Cement screed:
- Without underfloor heating: max. 2.3%
- With underfloor heating: max. 1.5%
- Residual moisture (in CM-%): Calcium sulphate screed:
- Without underfloor heating: max. 0.5%
- With underfloor heating: max. 0.3%

- Underfloor heating during application always **OFF**
- Always use edge strips and do not make a rigid connection to the wall
- Always carry out firing protocol: Cement- and plaster-bound must be at least 28 days old. You can find the firing protocol under the heading STOOKPROTOCOL.

CONSUMPTION:

- TechStone 2K: approx. 1000 g/m²
- Basa 2K: approx. 700 g/m²

PRESENTATION:

- TechStone 2K + hardener: 5 kg | 10 kg | 20 kg
- Basa 2K + hardener: 5 kg | 10 kg | 20 kg

CUSTOMS:
Until 6 months after production date, if stored closed in the original bucket and not exposed to extreme weather conditions and/or humidity. When doing so, make sure that edges and inside lid are clean.

STOOKPROTOCOL:
Example of a cycle, assuming 15 °C ambient temperature before start of heating protocol. The screed should be warmed up before the start of floorlaying work. Cement and gypsum-based substrates must be at least 28 days old.

dag	Watertemperatuur in ºCvloerverwarming	Oppervlaktemp. vloer ºC
1	20	
2	25	
3	30	
4	35	Max. 31
5	40	Max. 31
6	40	Max. 31
7	35	Max. 31
8	30	Max. 31
9	25	
10	20	
11	Herhalen of stoppen	

dag	Watertemperatuur in ºC Warmtepomp/koeling	Oppervlaktemp. vloer ºC
1	16/18	
2	20	
3	25	
4	30 indien mogelijk	
5	35 indien mogelijk	Max. 31
6	35 indien mogelijk	Max. 31
7	30 indien mogelijk	
8	25	
9	20	
10	16/18	
11	Herhalen of stoppen	

NB. Do what is possible. In case of excessive cracking after implementation of heating-up protocol, adjust the floor system advice. Or better: indicate in advance in the quotation: if excessive cracking occurs or a heating-up protocol is not feasible, we recommend, for example, floor system class A5 crack bridging.

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

SUSTAINABILITY:
Base concrete is carefully manufactured to minimise CO2 emissions, protect natural resources and reduce both waste and potential environmental and health risks. Basebeton is a 100% ecological and natural product.

SPECIFICATIONS:
Type/appearance: Pasta

Resistance specifications (EN 1015-11):

- Compression after 28 days: 30 N/mm²
- Flexion after 28 days: >12 N/mm²
- Bond strength N/mm² o
  Substrate gypsum bonded > 1.0 N/mm²
  Fracture surface: Plaster breaks

- Substrate cement-bound: > 1.3 N/mm²
- Fracture area : In subfloor
- Scratch strength on system in N DIN 55656: 3
- Shore D - p: 87
- Fire resistance (EN 13501-1): A1

SPECIAL RULES:
This product contains pulverised rock. Avoid contact with eyes and skin, as well as inhalation of dust. Use rubber gloves and safety goggles. Keep out of the reach of children. Do not apply base concrete products at room temperatures below 5°C or above 30°C. Empty buckets 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 safety data sheet at https://www.stoneage.nl/veiligheidsbladen.

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 in respect of products stored, handled and applied under normal conditions and correctly, in accordance with Stone Age's advice. In practice, differences in materials, substrates and actual (working) conditions on site are such that no warranty as to merchantability or fitness for a particular purpose, nor any liability (arising from any legal relationship whatsoever) may be derived from this information or from any advice (whether oral or 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 property rights of both Stone Age and third parties must be respected. All orders to Stone Age are subject to the current applicable terms and conditions of sale and delivery.

The harmonised European standard EN 13813 „ Covering materials and floor coverings - material properties and requirements'' gives 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 cement-bound screeds are covered by this standard. These floors should be CElabelled according to Annex 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. [2] NPD = No Performance Determined. [3] WP = Water Proof (the material is waterproof and does not absorb water)

CE
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13[1]
EN 13813 SR-B1.5

Primers/sealers
Fire resistance: A1
Release of corrosive substances: SR
Water permeability: WP
Wear resistance: NPD
Adhesion strength: B1.5
Shock resistance: NPD
Sound insulation: NPD
Sound absorption: NPD
Heat resistance: NPD
Chemical resistance: NPD