

# BASEBETON PLUS

## USER MANUAL + TECHNICAL DATASHEET



### PRODUCT DESCRIPTION:

Basebeton Plus is a ready-to-use micro-cement paste with micronized quartz for application on walls and floors.

### USAGE:

Basebeton Plus can be used for:

- Finishing (bathroom) walls, floors, furniture and worktops due to the strong adhesion.
- Renovating existing floors or as a replacement for carpet.
- Floors with radiant heating, as long as the heating system has been installed in accordance with its approved safety precautions and the appropriate self-levelling base mortar has been used, in order to prevent any cracking problems to the outer layers of the product and therefore to the product itself.

Basebeton Plus is suitable for indoor use only and is available in 64 standard colors and can also be supplied in the desired RAL or NCS colors.

### NOTE:

*Due to the amount of pigment in RAL and NCS colours, the final drawing may be slightly different and the color may vary from RAL and NCS color samples. Base concrete in RAL and NCS colours may become less liquid after production, dilute and mix with max. 5% water.*

### METHOD OF APPLICATION:

The surface which Basebeton Plus is applied on should always be smooth, clean and free of any unevenness.

### BASEBETON PLUS WALL FINISH

Basebeton Plus is applied in two different layers. Before applying the first layer of Basebeton Plus, the surface must be smooth, clean and free of any unevenness.

### PREPARATION (day 1)

*Basebeton Plus wall finish (based on a flat, sauce-ready substrate, e.g. Ardex R1)*

Walls must always be treated with Basebeton Plus Primer. MCG Primer is recommended as a primer for use on absorbent surfaces. For non-absorbent substrates MCG can be used undiluted. For absorbent substrates, dilute with water 1 to 1 if necessary. MCG can be applied evenly with a coat or foam roller.

For additional adhesion, Ecohecht can be used instead of MCG. Ecohecht has been specially developed for preparing, maintaining, sealing and optimizing the density and adhesion of both absorbent and non-absorbent substrates and contains a quartz grain. On absorbent substrates Ecohecht can be diluted with water up to 15%. Ecohecht can be evenly applied with a short- or long-pole roller.

### APPLYING BASEBETON PLUS (day 2)

When the primer is dry, you can start applying the first layer of Basebeton Plus. The Basebeton Plus can be applied with a stainless-steel plasterer's knife. Spread the first layer as evenly as possible for an equal thickness over the entire surface, approximately on grain thickness (0.5 - 1 mm) The first layer determines the final Basebeton look.

After the first layer has dried sufficiently (hand-dry, after approximately one day part), the second layer of Basebeton Plus can be applied. When applying this

second layer make sure that - for an optimal effect - the same plasterer's knife is used as when applying the first layer of Basebeton Plus. The second layer of Basebeton Plus should be scraped over the Basa as thinly as possible (0.1-0.5 mm).

### **FINISHING (day 3)**

Once the second layer is also dry, the Basebeton Plus should be sanded using an eccentric rotary sander. For this sanding process we recommend using sandpaper with a grain size of 80 or 120. The degree of sanding directly affects the final result. Once the sanding is complete, the sanded surface should be dusted. This can be done, for example, with a soft brush or industrial vacuum cleaner with a soft brush head.

For the desired result, the Basebeton Plus wall is finished with the special Basebeton 2K-PU coating: the SA Basic-coat WB 2K-PU. This coating consists of two components: SA Basic-coat WB 2K-PU Comp A and SA Basic-coat WB 2K-PU Comp B. The coating can only be used when component A is mixed with component B. Add component B to component A. Mix this thoroughly and pour the mixture through the MP 190 micron sieve. Then mix the mixture again thoroughly. Then the coating can be applied by means of a nylon roller.

#### **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.*

**Once the Stone Age product has been applied to the floor, this floor – because of the composition of the Stone Age product - may not be covered with tape afterwards (not even when the floor is already in use!). This prevents potentially disturbing prints, which can damage the floor. Stone Age does not accept liability for any damage caused by applying tape to the floor.**

### **BASEBETON PLUS FLOOR FINISH**

Basebeton Plus is applied in two different layers. Before applying the first layer of Basebeton Plus, the surface must be smooth, clean and free of any unevenness.

#### **PREPARATION (day 1)**

*Basebeton floor finish (based on a flat subfloor, e.g. cement screed with a flatness standard of two or higher, or with egaline).*

Floors must always be treated with Stone Age Epoxy Primer. Before the Epoxy Primer 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 dry to the touch, the Epoxy Primer can be applied.

There are three types of epoxy available: Basebeton Techstone, SA 0909 Epoxy Primer and SA 1010 Epoxy Primer.

#### Basebeton Techstone

Basebeton Techstone is a ready-to-use micro-cement paste with micronized quartz and is delivered in color. Techstone can be applied with a stainless steel plasterer's knife. Stir the Techstone well before use. Spread the Techstone as evenly as possible over the surface. Techstone has a light filling capacity (joints, sanding, etc. must first be pretreated). The consumption of Techstone is approximately 800 to 1000 grams per m<sup>2</sup>.

#### SA 0909 Epoxy Primer + Sand

Before the SA0909 Epoxy Primer can be applied, the floor must first be treated with MCG Primer. MCG can be applied evenly with a coat or foam roller. After approximately 1 hour the MCG will be hand dry and the SA0909 Epoxy Primer can be applied.

The SA0909 Epoxy Primer consists of two components (component A and component B). Open the Component A bucket and mix it thoroughly until the A component is completely homogeneous. Once this is complete, add the contents

of Component B and mix with Component A for 2 to 3 minutes (until this mixture is also completely homogeneous).

SA0909 Epoxy Primer mixture should be applied to the concrete surface with a French spackle knife to achieve the final dried and required thickness of 0.5 - 1 mm.

The entire surface should be sprinkled with fine sand (0.1 - 0.3 mm) immediately after application of SA0909 Epoxy Primer for good adhesion. After 12 hours and within 24 hours after applying the SA0909 Epoxy Primer + sand, you can start applying the Basebeton Plus.

#### SA 1010 Epoxy Primer + Sand

The Epoxy Primer consists of three components (Component A, Component B and Powder). Open the Component A bucket and mix thoroughly until the A component is completely homogeneous. Once this is complete, add the contents of Component B and mix with Component A, then add the Powder and mix for 2 to 3 minutes (until this mixture is also completely homogeneous).

The Epoxy mixture should be applied to the concrete surface with a French spackle knife to achieve the final dried and required thickness of 0.5 - 1 mm. Allow the Epoxy Primer to cure until the next day.

The next day, when the Epoxy Primer has cured, the entire surface should be sanded. When sanding is done the surface can be made dust-free by means of an industrial vacuum cleaner. After this the Ecohecht can be applied. The Ecohecht can be applied by means of a short or low-pile roller.

#### **APPLYING BASEBETON PLUS (day 2)**

Before applying the Basebeton Plus it is important that the surface is free of any unevenness. It is recommended to sand the primer first and clean it from any dust. Sanding the Techstone is recommended with grain size 40 and the epoxy with grain size of 80 or 120.

After this you can start applying the first layer of Basebeton Plus. The Basebeton Plus can be applied with a stainless steel plasterer's knife. Spread the first layer as evenly as possible for an even thickness over the entire surface, approximately on grain thickness (0.5 - 1 mm) The first layer determines the final Basebeton Plus look.

After the first layer has dried sufficiently (hand-dry, after approximately one day part), the second layer of Basebeton Plus can be applied. When applying this second layer make sure that - for optimal effect - the same plasterer's knife is used as when applying the first layer of Basebeton Plus. The second layer should be scraped over the first layer as thinly as possible (0.1 - 0.5 mm).

Protective shoe covers are recommended to avoid disturbing footprints during the application of the Basebeton.

#### **FINISHING (day 3)**

Once the second layer is also dry, the Basebeton Plus should be sanded using an eccentric rotary sander. For this sanding process, it is recommended using sandpaper with a grain size of 80 or 120. The degree of sanding directly affects the final result. Once the sanding is complete, the sanded surface should be dusted. This can be done, for example, with an industrial vacuum cleaner.

For the desired result, the Basebeton Plus floor is finished with the special Basebeton 2K-PU coating: the SA Basic-coat WB 2K-PU. This coating consists of two components: SA Basic-coat WB 2K-PU Comp A and SA Basic-coat WB 2K-PU Comp B. The coating can only be used when component A is mixed with component B. Add component B to component A. Mix this thoroughly and pour the mixture through the MP 190 micron sieve. Then mix the mixture again thoroughly. Then the coating can be applied by means of a nylon roller.

All finishes for Basebeton Plus are:

- SA Basic-Coat WB Matte (2K-PU)
- Sa Basic-Coat WB silky gloss (2K-PU)
- SA Master Protect Extra Matte (2K-PU)
- Sa Master Protect Plus Matte (2K-PU) (recommended on floors)

The floor must dry for at least five days before it can be walked on.

**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.*

**Once the Stone Age product has been applied to the floor, this floor – because of the composition of the Stone Age product - may not be covered with tape afterwards (not even when the floor is already in use!). This prevents potentially disturbing prints, which can damage the floor. Stone Age does not accept liability for any damage caused by applying tape to the floor.**

### **BASEBETON FURNITURE FINISH**

Basebeton Plus is applied in two different layers. Before applying the first layer of Basebeton Plus, the surface must be smooth, clean and free of any unevenness.

#### **PREPARATION (day 1)**

Drill holes, cracks and seams must be filled. the surface must be smooth, clean and free of any unevenness.

The surface should always be treated with Ecohecht. Ecohecht has been specially developed for it preparing, maintaining, sealing and optimizing the tightness and adhesion of both absorbent and non-absorbent surfaces.

The Ecohecht must be applied in two layers. On absorbent surfaces, Ecohecht can be diluted with water up to 15%. Ecohecht can be applied evenly with a short or long pile roller. Apply the first

layer thinly and then wait until the floor is touch dry. From that moment on, the second layer of Stone Age Ecohecht can be applied. The total consumption of Stone Age Ecohecht is between 50 – 100 grams per m<sup>2</sup>.

Sand the surface with grit 80 or 120 24 hours before applying the Basebeton Plus.

#### **APPLYING BASEBETON PLUS (day 2)**

When the primer is dry, you can start applying the first layer of Basebeton Plus. The Basebeton Plus can be applied with a stainless steel plasterer's knife. Spread the first layer as evenly as possible for an equal thickness over the entire surface, approximately on grain thickness (0.5 - 1 mm) The first layer determines the final Basebeton look.

After the first layer has dried sufficiently (hand-dry, after approximately one day part), the second layer of Basebeton Plus can be applied. When applying this second layer make sure that - for an optimal effect - the same plasterer's knife is used as when applying the first layer of Basebeton Plus. The second layer should be scraped over the Basa as thinly as possible (0.1-0.5 mm).

#### **FINISHING (day 3)**

Once the second layer is also dry, the Basebeton Plus should be sanded using an eccentric rotary sander. For this sanding process, it is recommended using sandpaper with a grain size of 80 or 120. The degree of sanding directly affects the final result. Once the sanding is complete, the sanded surface should be dusted. This can be done, for example, with an industrial vacuum cleaner.

For the desired end result, Basebeton Plus is finished with the special Basebeton 2K-PU coating: the SA Basic-coat WB 2K-PU. This coating consists of two components: SA Basic-coat WB 2K-PU Comp A and SA Basic-coat WB 2K-PU Comp B. The coating can only be used when component A is mixed with component B. Add component B to component A. Mix this thoroughly and pour the mixture through the MP 190

micron sieve. Then mix the mixture again thoroughly. Then the coating can be applied by means of a nylon roller.

All finishes for Basebeton are:

- SA Basic-Coat WB Matte (2K-PU)
- Sa Basic-Coat WB silky gloss (2K-PU)
- SA Master Protect Extra Matte (2K-PU)
- Sa Master Protect Plus Matte (2K-PU) (recommended on furniture)

For the processing of 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.*

**Once the Stone Age product has been applied to the floor, this floor – because of the composition of the Stone Age product - may not be covered with tape afterwards (not even when the floor is already in use!). This prevents potentially disturbing prints, which can damage the floor. Stone Age does not accept liability for any damage caused by applying tape to the floor.**

**APPLICATION CONDITIONS:**

- Required room temperature of 18 - 25°C.
- Required material and surface temperature of 12 - 18 °C.
- Humidity in the room of 40 – 70%.
- Residual moisture percentage subfloor:
  - Cement coating: max. 4%.
  - Anhydrite: max 0.5%.
- The heating protocol should always be conducted.

**CONSUMPTION:**

- Basebeton Plus Primer: +/- 100 gram per m<sup>2</sup>
- Basebeton Plus first layer: +/- 600 gram per m<sup>2</sup>

- Basebeton Plus second layer: +/- 400 gram per m<sup>2</sup>
- Basebeton Plus Coating: +/- 100 gram per m<sup>2</sup>

**STORAGE PERIOD:**

Basebeton can be stored up to 12 months after production date if it is stored closed in the original bucket and not exposed to extreme weather conditions and/or humidity. When doing so, make sure edges and the inside lid are clean.

**SUSTAINABILITY:**



Basebeton is manufactured in a conscientious manner to minimize CO2 emissions, protect natural resources and to reduce both waste as potential environmental and health risks. Basebeton is a 100% ecologic and natural product.

**SPECIFICATIONS:**

Type/appearance: Paste.

Apparent density Basebeton Plus:

- Pre application 1.350 kg/m<sup>3</sup>
- Hardened 2.000 kg/m<sup>3</sup>

Maximal lifespan of the Basebeton Plus mixture: 7 hours.

Resistance specifications (EN 1015-11):

- Compression of Basebeton Plus after 28 days: 30N/mm<sup>2</sup>
- Flexion of Basebeton Plus after 28 days: >11 N/mm<sup>2</sup>
- Concrete adhesion of Basebeton Plus after 28 days: 1,6 N/mm<sup>2</sup>
- Maximal applicable thickness of Basebeton Plus: 0,2 to 0,5 mm per layer
- Reaction to fire testing (EN 13501-1): A1

**MAINTENANCE:**

We recommend the use of our Basebeton Protector in order to professionally clean and preserve your Basebeton Plus. By using Basebeton Protector on a regular basis, the typical Basebeton Plus look can be maintained.

When Basebeton Plus is applied on your floor, we advise you to accommodate your furniture with a soft protection such as provided by Scratch no More ([www.scratchnomore.nl](http://www.scratchnomore.nl)).

### **SPECIAL PRECAUTIONS:**

Basebeton Plus contains cement. Avoid contact with eyes and skin, as well as inhalation of dust. Use rubber gloves and protective goggles. Keep out of the reach of children. Do not apply Basebeton products at a room temperature below 5°C or above 30°C. Empty containers must be disposed of in compliance with local legal regulations.

### **ADDITIONAL HEALTH AND SAFETY INFORMATION:**

For information and advice on how to safely handle, store and dispose of chemical products, users should refer to the most recent material safety data sheet containing physical, ecological, toxicological and other safety related data.

### **DISCLAIMER:**

This information, and in particular the recommendations related to the application and end use of Stone Age products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Stone Age recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from another advice offered.

The user of the products must test the products' suitability for the intended application and purpose. Stone Age reserves the right to change the

properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned. Copies of which will be supplied on request.

### **CE MARK:**



The harmonized European standard EN 13 813, Screed material and floor screeds – screeds – material properties and requirements” specifies requirements for screeds for use with floor constructions. Structural screeds or coatings, for example those contributing to the load bearing capacity of the construction, are excluded from this standard. Both synthetic resin floors and cement-bonded screeds are covered by these specifications. They must be CE-labelled according to Annex ZA. 3, Table ZA. 1.5 and 3.3 and comply with the requirements of the Construction Products Directive (89/106):

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