

PRODUCT DESCRIPTION

SA1010 Epoxy Primer is a solvent-free 2-component primer based on epoxy resin for optimal substrate preparation. optimal substrate preparation on screeds, e.g. for BaseBeton or BaseBeton Solid.

Characteristics

- Solvent-free
- Defoaming properties
- Universally applicable
- Testing of bonding behaviour under the influence of moisture on the reverse side according to DIN EN 13578
- Tested for paint-wetting impairment substances by means of the direct contact method
- Taber abrasion resistance according to DIN EN 53754
- Declaration of no objection according to §64 of the German Food and Feed Code as well as according to EN 1186, 13130 and CEN/TS 14234 "Materials and articles in contact with foodstuffs - Plastics".

METHOD OF APPLICATION

SA1010 Epoxy consists of two components (A = epoxy primer, B = hardener) applied in one layer. In addition, the mixed SA1010 Epoxy can be adjusted with the SA1012 can be added. Before SA1010 can be applied, the substrate must be level, dry, load-bearing, free of dust and dirt, load-bearing, free of dust and dirt, dimensionally stable and free of tension. (Compressive strength min. 25 MPa (N/mm²), adhesive tensile strength on average >1.5 MPa (N/mm²), smallest single value > 1.0 MPa (N/mm²).

Preparation

Before applying the SA1010 epoxy, the floor should first be primed with the MCG primer. We recommend diluting the MCG (bonding and priming dispersion) 1:1 with water on absorbent substrates. For non-absorbent substrates, MCG can be applied undiluted. MCG primer is applied evenly with a velour or foam roller. The drying time before epoxy primer is approx. +/- 4 hours.

Application SA1010 Epoxy

As soon as the MCG primer is dry, the SA1010 can be applied. To do this, stir the smaller B-component into the A-component electrically (approx. 300-400 rpm) and stir the mixture for at least 3 minutes to a homogeneous mass. Then decant into a clean container. 20% quartz sand (grain size 0.1-0.3 mm) can be added to the mixed SA1010 while stirring to achieve an even layer thickness. Then mix intensively again for approx 1 minute. Apply the mass onto the substrate using a trowel and generously fill with quartz sand (1.5 mm) generously with quartz sand (0.1-0.3 grain). The final layer thickness should be approx. 0.5 mm. The drying time is approx. 24 hours at a surface temperature of at least 18 degrees. The sanded surface can be sanded the next day with 80 or 60 grit paper for further processing and thoroughly vacuumed with an industrial Hoover.

Application of SA1010 Epoxy + SA1012 Floating Agent

Add the actuating agent (SA1012) to the already mixed SA1010 (A- + B-component + quartz sand) while stirring. and stir the mixture for 2-3 minutes until a homogeneous mass is obtained. Finally, pour the mixture into a new into a new container and stir for a further 30 seconds.

ATTENTION

- Trowel can be cleaned with an epoxy cleaner.
- Use a respiratory protection mask (with activated carbon filter)!
- Too much residual material in the packaging can, due to an exothermic reaction, become hot and cause fumes and smoke. Therefore, do not leave more than 100 g of mixed material in the packaging. and the packaging should be placed in a safe and well ventilated place. If more material is left in the packaging, add sand.

Please note that the material may vary in terms of drying, hardness, workability and grain size depending on temperature, humidity, technology and/or local conditions. and/or local conditions with regard to drying, hardness, workability and grain size. Of course, not all applications can be covered in this data sheet, which is why no absolute liability can be derived from it.

The applicator is always obliged to check the substrate professionally and to assess the suitability of the product on this basis. In case of doubt you should contact the application-technical advisory service. The described execution of this technique is a tried and tested standard variant and can be individually modified and extended depending on the creativity of the user. The overall appearance of a creative technique is influenced by the combination, the respective execution of the technique as well as the individual handwriting of the applicator. We therefore recommend that the overall appearance is always assessed in advance by means of sample surfaces.

APPLICATION CONDITIONS

- Room temperature requirement of 18 - 25 °C
 - Required material and surface temperature of 12 - 18 °C
 - Relative humidity: 40 - 70%
 - Residual moisture percentage subfloor
 - o Cement screed: max. 4%
 - o Anhydrite: max. 0.5%.
 - Always apply edge strips and do not make a rigid connection to the wall.
- Always implement the heating protocol: Cement and gypsum based screeds must be at least 28 days old. You will find the heating protocol under the heading heatingprotocol.

USAGE

- MCG-primer : +/- 50 g/m²
- SA1010 Epoxy : +/- 300-500 g/m²
- SA1010 Epoxy + SA1012 powder: +/- 300-500 g/m²

PRESENTATION

- SA1010 (A- & B-Component) : 10 kg (A = 6,67 kg, B = 3,33 kg)
- SA 1012 (C-Component) : 10 kg

STORAGE

Up to 6 months after production date, provided it is stored closed in the original bucket and not exposed to extreme weather conditions and/or humidity. Make sure that the edges and the inside of the lid are clean.

HEATING PROTOCOL

Example of a cycle, assuming 15 °C ambient temperature for start of heating protocol. The screed must be warmed up before starting the floor laying operations. Cementitious and gypsum-based substrates must be at least 28 days old.

dag	Watertemperatuur in °C vloerverwarming	Oppervlakttemp. vloer °C	dag	Watertemperatuur in °C Warmtepomp/koeling	Oppervlakttemp. vloer °C
1	20		1	16/18	
2	25		2	20	
3	30		3	25	
4	35	Max. 31	4	30 indien mogelijk	
5	40	Max. 31	5	35 indien mogelijk	Max. 31
6	40	Max. 31	6	35 indien mogelijk	Max. 31
7	35	Max. 31	7	30 indien mogelijk	
8	30	Max. 31	8	25	
9	25		9	20	
10	20		10	16/18	
11	Herhalen of stoppen		11	Herhalen of stoppen	

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

SPECIFICATIONS

Color	: Transparant
Density	: Ca. 1,10 kg/dm ³
Mixing ratio	: A-component: 66,6%
	: B-component: 33,3%
Processtme	: 20 minutes
Dust dry after	: Ca. 8 hrs
Walk dry after	: Ca. 16 hrs
Workable dry after	: 16 – 24 hrs
Frost Resistance	: Yes
Solids content	: 100%
Viscosity (23 °C)	: Ca. 860 mPas
Adhesive strength	: > 1.5 N/mm ² (depending on the adhesive tensile strength of the substrate)

ADDITIONAL HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling, storage and disposal of chemical products, users of these products should refer to the most recent Material Safety Data Sheet regarding physical, ecological, toxicological and other safety-related data.

For more information on the composition, constituents 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 to products stored, handled and applied under normal conditions and in the correct manner, in accordance with Stone Age's advice. In practice, differences in materials, substrates and actual (working) conditions on site are such that no guarantee of merchantability or fitness for a particular purpose, nor any liability (arising from any legal relationship whatsoever), can be derived from this information or from any advice (whether verbal or written) given by Stone Age.

The user of the products must 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 shall be subject to the currently applicable conditions of sale and delivery.

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):

CE

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EN 13 813 SR-B1.5

Primers/sealers

Reaction to fire:	A1
Release of corrosive substances (Synthetic Resin Screed):	SR
Water permeability:	WP
Abrasion resistance:	NPD
Adhesive strength:	B1.5
Impact resistance:	NPD
Noise insulation:	NPD
Noise absorption:	NPD
Thermal resistance:	NPD
Chemical resistance:	NPD

¹ The last two figures of the year in which the mark was awarded.

² NPD = No Performance Determined.

³ WP = Water Proof (het materiaal is waterdicht en neemt geen water op)