

# STONES ECO FUGEN SAND

For joints 1-20 mm wide

Naturally stabilised jointing material  
Simple handling and installation | Strong and flexible | Ecological  
Weed suppressing | Self-repairing | No Staining



Grey



Basalt



Beige



STONES ECO FUGENSAND  
Tested and certified as being  
non-hazardous to health in terms  
of emissions, ingredients and  
environmental compatibility.



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## ENVIRONMENTAL BONUS

Certified with the eco-Institut label, **an environmental benefit that no competitor product can offer,**

- ▶ Safe and non-hazardous to health, verified by extensive emission and pollutant tests
- ▶ Healthier products and therefore very little pollutant load for the immediate surroundings
- ▶ Non-hazardous to the health of users, installers, customers, etc.

## NATURALLY WEED SUPPRESSING

**Naturally weed suppressing in the joints to prevent weeds from taking root,** thanks to a patented increased pH-value process.

## SELF-REPAIRING JOINTS

**SOLID GREEN BINDER,** an innovative self-healing organic binder, ensures that the joints continuously repair themselves. Moisture (e. g. rain) reactivates the binder and any **microcracks in the joints,** which may have been caused by thermal movements or settlement of the stones, **close themselves.**

## SIMPLE HANDLING & USE

Sweep the dry material into the joints and after carefully cleaning the block or paving slab surface, water adequately, **no premixing or grouting required!** Joint refurbishment is simple and can be done at any time.

## NO BUILD-UP OF STAIN

**No build-up of stain,** if used in accordance with the instructions.

## STORAGE LIFE

If stored in dry conditions and in accordance with the instructions, the storage life of the product is **unlimited, even in the case of opened bags.** The paving jointing sand does not cure in the bag.

## CONDITIONS FOR USE

Dry paving surface and an outdoor temperature of 2°C or above.

The efficiency and scope of use are the greatest with joint widths of 1 to 20 mm.

**It is not necessary to protect the joint-filled surface from rain!**

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For joints 1–20 mm wide



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**STONES ECO JOINTING SAND** consists of dried finely graded crushed mineral sand and is stabilised with the innovative and patented **SOLID GREEN BINDER**, which is a binder **based on plants and minerals**.  
**Strong and flexible joints**, contains no polymers or cement! The innovative natural binder, **SOLID GREEN BINDER**, consists mostly of **renewable raw materials**.

## ARTICLE LIST

DATED 29. 04. 2013

Article number	EAN code	Article description	Colour	Packaging
01011201	4260287260016	STONES ECO JOINTING SAND 1–20 mm	GREY	25 kg BAG
01011204	4260287260023	STONES ECO JOINTING SAND 1–20 mm	BEIGE	25 kg BAG
01011207	4260287260030	STONES ECO JOINTING SAND 1–20 mm	BASALT	25 kg BAG

## OTHER AGREEMENTS

- ▶ Minimum purchase: 1 EURO pallet (exchangeable pallet) of 48 bags, single product

Natural colours grey, basalt and beige



Stabilised with  
**SOLID GREEN BINDER**



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environmental compatibility.

**Example advertising  
leaflet with your logo –  
with every order.**

**Our service for you!**



Specimen address  
Contact data

# Partner of Nature



## STONES ECO

# FUGEN SAND

For joints 1–20 mm wide

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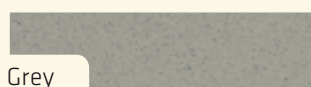
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**It is not necessary to protect the joint-filled surface from rain!**

With STONES ECO JOINTING SAND    Ordinary paving jointing sand



Grey



Basalt



Beige



You can find a short film showing the correct handling and use of the product, material calculator for all paving formats and further product information at [www.stones-baustoffe.de](http://www.stones-baustoffe.de) or by scanning our QR code online.



## STONES ECO FUGEN SAND

For joints 1-20 mm wide

### WHAT IS THE DIFFERENCE BETWEEN STONES ECO JOINTING SAND AND POLYMER PAVING JOINTING SAND?



#### ENVIRONMENTALLY FRIENDLY

- ▶ **STONES ECO JOINTING SAND** consists of 100 % natural raw materials.
- ▶ **STONES ECO JOINTING SAND** is a sustainable building material.
- ▶ **STONES ECO JOINTING SAND** is stabilised with the innovative **SOLID GREEN BINDER**. The binder consists mainly of renewable raw materials.
- Polymer paving jointing sand is stabilised by a chemical reaction.



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#### SELF-REPAIRING

- ▶ **STONES ECO JOINTING SAND** continuously repairs itself when in contact with water (e.g. rain). Permanent cracks are prevented because the material expands on contact with water and closes up any microcracks in the joints (e.g. caused by settlement of the paving). The paving jointing sand is reactivated every time it rains and is therefore capable of repairing itself.
- Once activated, polymer paving jointing sand remains rigidly bound. As a result, cracks form in the joints and get bigger over time.

#### WEED SUPPRESSING

- ▶ The stabilised joints and the ability to continuously self-repair microcracks of **STONES ECO JOINTING SAND** reduces rooting by windborne weed seeds. **STONES ECO JOINTING SAND** also suppresses weeds naturally by raising the pH-value in the joints, which prevents windborne seeds (e.g. grasses and weeds) that have landed on the joint surface from rooting.
- Once cured, polymer paving jointing sand stops weed growth until the first cracks occur, then the weeds colonise the cracks.



## REPAIR

- ▶ **STONES ECO JOINTING SAND** can be removed from the joints at any time by first watering them adequately. New **STONES ECO JOINTING SAND** placed in the joints forms a bond capable of transferring forces with the remaining material.
- Polymer paving jointing sand can be removed from joints only by using a hammer and chisel. Old joints cannot be renovated, because the joint between the old and new polymer paving jointing sand cannot transfer forces.

## HAZE

- ▶ **STONES ECO JOINTING SAND** is activated in a second stage by watering, which effectively prevents the formation of a haze.
- Residues of polymer paving jointing sand cure on the surface of the stone and form a permanent haze, which spoils the attractive, natural look of the stone surface. This haze effect is very common and can be removed only with difficulty. Too much water when activating polymer paving jointing sand does not provide a solution to the haze problem, because it leads to the binder washing out on to the paving surface and inevitably makes cleaning more difficult.

## STORAGE LIFE

- ▶ If stored dry, the storage life of **STONES ECO JOINTING SAND** is unlimited.
- Polymer paving jointing sand cures over time even in unopened packaging. Any left over from opened packaging cannot be stored so that it remains suitable for later use. It must be disposed of and left to pollute the environment.

## CONDITIONS FOR USE

- ▶ **STONES ECO JOINTING SAND** can be used on dry paving surfaces at temperatures of 2 degrees and above, with no limits to use in higher temperatures.
- Polymer paving jointing sand can be used in temperatures of 5 degrees and above, with an upper limit to use of approx. 25 degrees. Heat causes an accelerated chemical setting. Residues on the paving surface often cannot be avoided due to the heat stored in the paving. After the joints are filled, they have to be protected against rain with a tarpaulin.

## INSTALLATION

- ▶ **STONES ECO JOINTING SAND** is supplied ready to use and given suitable conditions of application can be used for joint widths from 1 mm upwards.
- Polymer paving jointing sand frequently has to be mixed before use, and sometimes placed as a grout into the joints. With grouting, joints have to be at least 5 mm wide and fully filled.

## ADVANTAGES/INSTRUCTIONS

### STONES ECO JOINTING SAND 1–20 mm

Grey, Basalt, Beige

With **SOLID GREEN BINDER** naturally stabilised, water-permeable paving jointing material for all natural and precast concrete paving surfaces\*) on a water-permeable bed. Suitable for lightly loaded surfaces and those subject to vehicles coming or going no faster than walking pace, for example house and driveway entrances, pedestrianised zones and parking areas (up to 3.5 t).

1. Single component **STONES ECO JOINTING SAND** consisting of the innovative binder **SOLID GREEN BINDER** mixed with finely graded crushed mineral sand for „dry sweeping“ into the joints before the surface is cleaned and the joints watered. Does not require oxygen to cure; the binder is activated by the addition of moisture.
2. Extremely long storage life in bags and material from open bags can be used at any time in the future, in both cases providing the storage conditions are dry.
3. Suitable for use with joint widths from 1 mm minimum to 20 mm maximum. If used properly in accordance with the instructions\*), there is no risk of a irreversible stain forming on the paved surface.
4. As well as its use on new paving, **STONES ECO JOINTING SAND** offers a simple way of refurbishing joints in existing paved surfaces, provided the following conditions are observed: Water-permeable and unbound bed and, for refurbishments, the remainder of any old jointing material must be water-permeable.
5. Naturally weed suppressing because of the pH-value shift effect caused by the **SOLID GREEN BINDER**, which also accounts for the high erosion resistance of **STONES ECO JOINTING SAND**.
6. Does not result in any environmentally damaging sealing of the ground surface, because **STONES ECO JOINTING SAND** is water-permeable.
7. Joints can be filled properly, in accordance with the instructions, at outside temperatures as low as 2 °C.
8. **Certified with the eco-Institut label, an environmental benefit that no competitor product can offer,**
  - ▶ Safe and non-hazardous to health, verified by extensive emission and pollutant tests
  - ▶ Healthier products and therefore very little pollutant load for the immediate surroundings
  - ▶ Non-hazardous to the health of users, installers, customers, etc.
9. **STONES ECO JOINTING SAND** joints are self-maintaining: When moisture is added, such as e.g. during rain, the joints become flexible and the material expands to close any fine cracks between the blocks/slabs and gaps that have occurred as a result of settlement, thermal movements, etc. The strength of the joints comes from the effects of the weather. Ensure that the surface to have its joints sealed has a crossfall of 2–3 % or a longitudinal fall of approximately 1 %.

#### \*) NOTES

##### **Please inform your customers/enquirers appropriately!**



Experience has shown that in a few cases, for example with natural stone, clinker and artificial stone, the paving jointing sand may cause certain reactions, such as dark edges or a light stain on the surface. Therefore a test area must be laid and treated on critical types of stone. The test area is then used as a reference surface. In addition, our installation instructions must be particularly carefully observed for critical types of stone (thorough blowing clear of the surface and vigorous watering). We take no responsibility for the use and handling of the paving jointing sand. Our responsibility covers only the consistent quality of our product.

The user shall always carry out a suitability test before using the product.

## USAGE TABLE

### STONES ECO JOINTING SAND 1-20 mm

Grey, Basalt, Beige

 <small>For joints 1-20 mm wide</small>	 <small>STONES ECO FUGENSAND        Tested and certified as being        non-hazardous to health in terms        of emissions, ingredients and        environmental compatibility.</small>	Theoretical coverage kg/m <sup>2</sup>	Theoretical coverage kg/m <sup>2</sup>
Visible block/ slab area (for calculation)		3 mm 50 mm	12 mm 50 mm
Paving unit, approx. 5x5 cm		8,75	29,90
Paving unit, approx. 7x7 cm		6,35	22,61
Paving unit, approx. 8x8 cm		5,58	20,15
Paving unit, approx. 10x10 cm		4,50	16,55
Paving unit, approx. 12x12 cm		3,77	14,05
Paving unit, approx. ca. 15x15 cm		3,03	11,44

## INSTALLATION STEPS



Sweep



Vibrate



Clean



Water/water mist



Water/saturate

## HAVE YOU ANY QUESTIONS?

[www.stones-baustoffe.de/faq](http://www.stones-baustoffe.de/faq)

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You can find a short film  
 showing the correct handling  
 and use of the product, material  
 calculator for all paving formats  
 and further product information  
 at [www.stones-baustoffe.de](http://www.stones-baustoffe.de) or  
 by scanning our QR code online.