

PRODUCT DATA SHEET

Sika MaxMix® Powder Mortar Tone

Chloride free colourant for concrete, render, screeds and mortar mixes

PRODUCT DESCRIPTION

Sika® MaxMix® Powder Mortar Tone is a range of powdered oxide pigments which can be accurately measured to colour concrete, render, screeds, mortar etc. The pigments disperse easily into the mix to give a uniform shade for each mix batch, dose can be adjusted to provide a wider variety of colour depths.

USES

- Mortars, renders and screeds.
- Cement containing products.
- Concrete.

CHARACTERISTICS / ADVANTAGES

- Improves workability/trowelability - contains a plasticiser.
- Chloride free.
- Reduces bleeding/segregation.
- Inhibits efflorescence.
- Adjustable colour depth.
- Disperses easily for consistent colour.
- Easy to control dosage.

APPROVALS / STANDARDS

Conforms to EN 12878, intended to be used in concrete, mortar and grout applications.

PRODUCT INFORMATION

Packaging	1 kg Tin
Appearance / Colour	Black, Brown and Buff Powders
Shelf Life	36 months from date of manufacture when stored according to the manufacturer's instructions.
Storage Conditions	Store at +5 °C to +30 °C away from direct sunlight. Protect from damp.
Density	Approx. 0.9 - 1.5 g/cm ³
Total Chloride Ion Content	<0.1 % w/w

TECHNICAL INFORMATION

Mortar mix design	FLOORING SCREED (GRANOLITHIC) Ordinary Portland Cement: 1 part. Coarse builders sand: ½ part. Granite ¼ part. Dust: 2 parts. Sika® MaxMix® Powder Mortar Tone: Up to 4 kg per 50 kg cement. Water: As required.
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BRICKLAYING MORTAR

Ordinary Portland Cement: 1 part.

Building sand: 6 parts.

SikaMix® Mortar Plasticiser: 150-250 mL / 50 kg cement.

Sika® MaxMix® Powder Mortar Tone: Up to 4 kg per 50 kg cement.

Water: As required.

WATERPROOF EXTERNAL RENDER

Ordinary Portland Cement: 1 part.

Moist builders sand: 4.5 parts.

Sika® MaxMix® Powder Mortar Tone: Up to 4 kg per 50 kg cement.

SikaBond® SBR: 0.2 parts (i.e. 10 litres of latex per 50 kg of cement).

Water: As required.

APPLICATION INFORMATION

Recommended Dosage	1 - 4 kg per 50 kg cement
Drying time	No reduction

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Do not use in structural concrete or lime-based mixes.
- Do not use more than 4 kg per 50 kg cement. This will reduce strength of the mix.
- Always use same batches of cement and sand - this will avoid any colour differences showing through in large areas e.g. external renders.
- Care must be taken when using any other plasticising admix as the mix strength can be reduced.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling.

Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- All surfaces must be clean and free from dust and loose material.
- Ensure the structure has sufficient mechanical strength.
- Walls should be wire-brushed and any old paint, etc. removed.
- All contaminants such as oil, grease, or any surface laitence must be removed to ensure adequate development of bond when the screed/render/mortar is applied.

APPLICATION METHOD / TOOLS

- Add Sika® MaxMix® Powder Mortar Tone to the dry mix in proportion to the amount of cement used, as the following guide:
- For light shades – add approx. 1 kg of Sika® MaxMix® Powder Mortar Tone per 50 kg of cement.
- For medium shades - add approx. 2 kg of Sika® MaxMix® Powder Mortar Tone per 50 kg of cement.
- For dark shades – add approx. 3 to 4 kg of Sika® MaxMix® Powder Mortar Tone per 50 kg of cement.
- Add water to the mix in the normal way. Note that the final colour will only be evident after the product has dried.
- Always make a note of the amount of Sika® MaxMix® Powder Mortar Tone used so that subsequent mixes are dosed to the same rate.
- Sika® MaxMix® Powder Mortar Tone can be intermixed to produce colour variations.
- To obtain pastel colours, use white cement in the mix.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular 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 any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika 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 local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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