

PRODUCT DATA SHEET

SikaEmaco® N 202

(formerly MEmaco N 202)

SINGLE COMPONENT, POLYMER MODIFIED BLOWHOLE FILLER AND FINISHING MORTAR

DESCRIPTION

SikaEmaco® N 202 is a cementitious, polymer modified one component blowhole filler and finishing mortar. Suitable for use in hot and tropical climatic conditions.

USES

SikaEmaco® N 202 can be used as a:

- Finishing mortar on cementitious substrates
- Thin layer rendering and smoothing on horizontal and vertical areas in building and civil engineering construction, for external and internal finishing, etc.
- Levelling mortar on uneven substrates and profiled concrete surfaces.
- Finishing mortar to fill honeycombs, blowholes, etc.
- Repair mortar for minor defects of edges.
- To form and finish joints and coverings.

FEATURES

- Easy to use
- Excellent workability
- Good mechanical strengths
- Non-corrosive
- Adjustable "creamy" consistency
- Economical

PRODUCT INFORMATION

Composition	Polymer containing cementitious mortar with different additives
Packaging	25 kg bag
Shelf life	12 months from production date.
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight, heat and moisture.
Appearance and colour	Concrete grey
Maximum grain size	~0.6 mm

TECHNICAL INFORMATION

Compressive strength	$\geq 15 \text{ N/mm}^2$ (28 d, w/p ratio=0.24)	(ASTM C109)
Tensile adhesion strength	$\geq 0.8 \text{ N/mm}^2$ (28 d)	(ASTM D4541)

APPLICATION INFORMATION

Fresh mortar density	~1.85 kg/l (25°C)
Yield	~16.7 litres per 25 kg bag
Layer thickness	Max. 3.0 mm in one single layer
Ambient air temperature	+5°C min. / +35°C max.
Mixing ratio	Max. 6 litres of water per 25 kg bag
Substrate temperature	+5°C min. / +35°C max.
Initial set time	~90 min (25°C)
Application time	~60 min (25°C)

BASIS OF PRODUCT DATA

- All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
- Internal Reference - Version: MBS_CC-UAE/Em_N202_10_06/v3/03_17/v4/09_19/v5/02_21

FURTHER DOCUMENTATION

- Refer to the Method Statement.
- Refer to the recommendations stated in EN 1504-10.

IMPORTANT CONSIDERATIONS

- Avoid application in direct sun and/or strong wind.
- SikaEmaco® N 202 should not be used at temperatures below +5°C.
- When applied during summer months, SikaEmaco® N 202 should be mixed with chilled water. Ensure that the mixed material temperature does not exceed +30°C.
- Do not add water over recommended dosage.
- Apply only to sound, prepared substrate.
- Do not add additional water during the surface finishing as this will cause discolouration and cracking.
- Protect freshly applied material.
- Not suitable for flooring application subjected to traffic.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Substrates must be properly cured, structurally sound, free of any loose or friable particles, clean, dry and free of any contaminants such as dust, dirt, oil, grease, cement laitance or efflorescence.

Depending on the substrate condition, contaminants should be removed from the surface. Perform adequate preparation techniques, such as water-jet washing or blastcleaning, in order to remove all traces of any materials that could reduce the product's adhesion to the substrate.

For applications in hot climates / environments and / or on absorbent substrates, thoroughly pre-dampen the surface immediately prior to the product application, but avoid any ponding / standing water on the surface, which must not be damp to touch and not with a dark-matt / wet surface appearance i.e. it must be saturated surface dry (SSD).

MIXING

SikaEmaco® N 202 can be mixed with a low speed (< 500 rpm) hand drill mixer or using a force action mixer. Pour the recommended water amount in a suitable, clean mixing container. While stirring slowly, add the powder to the water and mix thoroughly at least for 3 minutes to achieve required homogeneous consistency. The obtained mix should be very creamy, easily spreadable and thixotropic. Do not add extra water or other ingredients after mixing.

Normal tumble type concrete mixers are not suitable. Do not mix more material than can be placed within its pot life.

APPLICATION

SikaEmaco® N 202 can be applied by brush, trowel or spatula. As soon as the mortar has started to set it can be smoothed by wooden or synthetic float, XPS block or sponge.

CURING TREATMENT

Where ambient conditions may lead to rapid surface drying, the use of light water fogging for 48 hours or application of a suitable water based curing compound from Sika® Antisol® range is recommended. Do not commence fogging until final set has been reached.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.

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 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.

Sika Gulf B.S.C. (c)

Tel: +973 177 38188
Email: info@bh.sika.com
Sika Kuwait Cons. Mat. & Paints Co WLL
Tel: +965 22 282 296
Email: sika.kuwait@kw.sika.com
Web: gcc.sika.com

Sika UAE LLC

Sika MB Construction Chemicals LLC
Sika International Chemicals LLC
Tel: +971 4 439 8200
Email: info@ae.sika.com
Web: gcc.sika.com

Sika Saudi Arabia Limited

Sika Construction Chemicals for Manufacturing LLC
Riyadh / Jeddah / Dammam / Rabigh
Tel: +966 12 692 7079
Email: info@sa.sika.com
Web: gcc.sika.com

Sika LLC - Oman

Master Builders Solutions LLC
(part of Sika)
Tel. +968 22 826 500
Email: info@om.sika.com
Web: gcc.sika.com



ISO 9001, 14001, 45001 – SGS:
- Sika UAE LLC
- Sika International Chemicals LLC
- Sika Gulf B.S.C. (c)
- Sika MB Construction Chemicals LLC
- Sika MB Construction Chemicals for Manufacturing LLC
- Master Builders Solutions LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



Product Data Sheet

SikaEmaco® N 202

September 2024, Version 03.01
02030200000002011

SikaEmacoN202-en-AE-(09-2024)-3-1.pdf

