

PRODUCT DATA SHEET

SikaEmaco® N 907

(formerly MEmaco N 907)

Two component polymer modified fairing coat and re-profiling mortar

DESCRIPTION

SikaEmaco® N 907 is a two-component acrylic polymer modified blow hole filler and reprofiling mortar for cement based substrates.

Suitable for use in hot and tropical climatic conditions.

USES

SikaEmaco® N 907 can be used as a:

- Fairing or skim coat to cover and make good blemishes in concrete surfaces such as slight honeycombing, blowholes, sand runs, grout loss and shutter movement.
- Leveling mortar to produce a uniform surface over repair areas.
- Skim coat prior to application of protective coatings.
- Finishing mortar, specially formulated to produce a shrinkage compensated mortar with no cracking when applied in a thin section.

FEATURES

- Easy to use
- Excellent workability
- Pre-gauged liquid, no mixing with water
- Shrinkage compensated
- Flexible
- Smooth, "creamy" consistency
- Low permeability
- Excellent resistance to freeze/thaw and carbonation
- Reduces ingress of water borne salts
- Economical

PRODUCT INFORMATION

Composition	Blend of portland cement, selected aggregates and liquid acrylic	
Packaging	Part A - powder component	16.66 kg bag
	Part B - liquid component	5 kg jerry can
	Total A+B	21.66 kg
Appearance and colour	Light grey	
Shelf life	12 months from production date	
Storage conditions	Store in a cool, dry area in original sealed packaging and at temperatures between +5°C and +35°C. Protect from direct sunlight, heat and moisture.	
Maximum grain size	~0.6 mm	

TECHNICAL INFORMATION

Compressive strength	~20 N/mm ² (28 d)	(BS EN 12190)
Tensile adhesion strength	≥ 0.8 N/mm ² (28 d)	(BS EN 1542: 1999)
Chloride ion permeability	Very low	(ASTM C1202)

APPLICATION INFORMATION

Mixing ratio	Part A : Part B - packaging size: 16.66 : 5 kg Mixing ratio: 3.33 : 1 (by weight)	
Consumption	As a guide: ~1.6 kg/m ² /mm This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level or wastage, etc.	
Yield	~13.3 liters per 21.66 kg set	
Layer thickness	Maximum 10 mm	
Setting time	Working time: ~30 min	Temperature: 25°C (ASTM D2471)
Fresh mortar density	~1.63 kg/l (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_N907_11_04/v3/05_16/v4/10_19

FURTHER DOCUMENTATION

- General Method Statement
- General recommendations provided in EN 1504-10

IMPORTANT CONSIDERATIONS

- Avoid application in direct sun and/or strong wind. SikaEmaco® N 907 should not be used at temperatures below 5°C.
- At ambient temperatures above 35°C, the material should be stored in the shade and chilled water should be used for mixing.
- Apply only to sound, prepared substrate.
- Protect freshly applied material.
- Do not mix with solvent.
- Do not add water or any other ingredients.

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

SURFACE PREPARATION

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 907 is formulated to produce an easily mixed mortar. A slow speed drill and paddle can be used or a forced action mixer. Add powder to liquid at a steady rate. Mix for approx 4 minutes. Do not add water.

APPLICATION

SikaEmaco® N 907 is applied by steel trowel. The finishing should be carried out with the minimum trowelling. A small amount of water can be applied to the surface to aid finishing. Leave the applied material for a short time before proceeding with final smoothing.

CURING TREATMENT

Curing is generally not required, however during hot, dry and windy conditions the surfaces should be covered to prevent rapid drying. Alternatively, the applied material can be cured with Sika® Antisol® range of curing compounds. This product is compatible with most subsequent coatings.

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.

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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.



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