

PRODUCT DATA SHEET

SikaCem[®]-100 MP

AIR ENTRAINING/PLASTICIZING ADMIXTURE FOR MORTARS AND RENDERS

DESCRIPTION

SikaCem[®]-100 MP is a liquid admixture designed to provide improved plasticity and yield to cement based mortars and renders. Suitable for use in hot and tropical climatic conditions.

USES

SikaCem[®]-100 MP is used as a plasticizer and workability improver for all types of cement / sand mortar mix designs used for:

- Brick / block bedding mortars
- Renders
- Pointing mortars

CHARACTERISTICS / ADVANTAGES

- Improved workability of mortars
- Reduced shrinkage
- More durable mortar
- Increased yield
- Reduced bleed increases bond strength
- Allows use of coarser sands

APPROVALS / CERTIFICATES

SikaCem[®]-100 MP follows the requirements of BS EN 934-3; Admixtures for masonry mortar as an air entraining/plasticizing admixture

PRODUCT INFORMATION

Composition	Blend of organic compounds
Packaging	20 L pail, 200 L drum
Appearance / Colour	Brown liquid
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +45 °C. Protect from direct sunlight and frost.
Density	~1.01 kg/l (+25 °C)
Total Chloride Ion Content	Nil (EN 934-2)

TECHNICAL INFORMATION

Mortar Mix Design When using SikaCem[®]-100 MP a suitable mortar mix must be designed for the local material sources to the project specification and should be trialed.

APPLICATION INFORMATION

Recommended Dosage

0.3 - 0.7 % by weight of cement (0.15 - 0.35 L /50 kg cement).
Dosages outside of this range may be required depending on the mix design, raw materials, climatic conditions and mortar requirements.
Trial mixes must be performed to establish the exact dosage rate required.

APPLICATION INSTRUCTIONS

MIXING

SikaCem®-100 MP is best added to the gauging water or simultaneously poured with it into the mixer.
If SikaCem®-100 MP is added directly to the dry mix an increased dosage may be required.
For optimum utilization of the plasticizing action we recommend thorough mixing at a minimum wet mixing time of 2 - 3 minutes.

IMPORTANT CONSIDERATIONS

If frozen and/or if precipitation has occurred SikaCem®-100 MP may only be used after thawing slowly at room temperature and intensive mixing.
When using SikaCem®-100 MP a suitable mortar mix must be designed for the local material sources and should be trialed.
When accidental overdosing occurs additional air will be entrained and the workability of the mortar increased.

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.

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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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ISO 14001: Sika UAE LLC,
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OHSAS: Sika UAE LLC,
Sika Gulf B.S.C. (c)

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 OHSAS
18001.

Product Data Sheet

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