

## PRODUCT DATA SHEET

# Sika® Stabilizer-10 MC

(formerly MasterCell® 10)

Foaming agent for lightweight concrete

## DESCRIPTION

Sika® Stabilizer-10 MC is a ready to use concentrated liquid foaming agent for producing rheoplastic lightweight foam concrete. Sika® Stabilizer-10 MC can be used with all types of Portland Cement.

## USES

Sika® Stabilizer-10 MC is used in applications where concrete with dry densities of 600 to 1800kg/m<sup>3</sup> is required:

- Insulation concrete - density approx. 600-1000kg/m<sup>3</sup>
- Levelling concrete - density approx. 1200kg/m<sup>3</sup>
- Backfilling concrete - density approx. 1350kg/m<sup>3</sup>
- Encasement concrete - density approx. 1600kg/m<sup>3</sup>

## FEATURES

- Produces high foam - Create lightweight concrete.
- Reduces heat conductivity - Provides better heat insulation.

## PRODUCT INFORMATION

<b>Packaging</b>	205L drums and 25kg containers
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.
<b>Appearance and colour</b>	Colourless Liquid
<b>Specific gravity</b>	1.030 ± 0.02 kg/litre

# TECHNICAL INFORMATION

## Concrete mix design

The end user determines the design of Sika® Stabilizer-10 MC rheoplastic, lightweight foam concrete. The following typical examples of classes of lightweight concrete are available.

Class	Purpose	Density Kg/m <sup>3</sup>	Heat conduc- tion factor W/mk	Strength N/mm <sup>2</sup>
A	Insulation	800	0.28	0.8-1.3
B	Insulation	1000	0.35	1.0-1.6
C	Levelling	1200	0.47	2.0-3.0
D	Filling	1350	0.60	2.0-4.0
E	Subgrade/ encasement	1600	0.80	3.0-6.0

## APPLICATION INFORMATION

### Recommended dosage

The required amount of foam will be dictated by the target wet density of lightweight concrete. Consult Sika representative for more information.

### Dispensing

The standard Sika® Stabilizer-10 MC apparatus, operating on normal mains water pressure, produces a controllable volume of foam, which is homogeneously mixed in the mobile mixer.

- Temperature tolerance range: 0°C to 60°C
- Usage Temperature: Over 0°C

### Compatibility

Sika® Stabilizer-10 MC is compatible with most admixture used in the production of quality concrete. To use in synergy and combination with another Sika product range, please consult your local Sika representative.

## BASIS OF PRODUCT DATA

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

## ECOLOGY, HEALTH AND SAFETY

Sika® Stabilizer-10 MC does not contain any hazardous substances requiring labeling. It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc. For detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

### Sika Egypt

1st Industrial Zone (A)  
Section #10, Block 13035  
El Obour City, Egypt  
TEL: +202 44810580  
FAX: +202 44810459  
egy.sika.com



## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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