

MasterCell 10

Foaming agent for lightweight concrete

DESCRIPTION

MASTERCELL 10 is a ready to use concentrated liquid foaming agent for producing rheoplastic lightweight foam concrete. **MASTERCELL 10** can be used with all types of Portland Cement.

RECOMMENDED USES

MASTERCELL 10 is used in applications where concrete with dry densities of 600 to 1800kg/m³ is required:

- Insulation concrete - density approx. 600-1000kg/m³
- Levelling concrete - density approx. 1200kg/m³
- Backfilling concrete - density approx. 1350kg/m³
- Encasement concrete - density approx. 1600kg/m³

FEATURES AND BENEFITS

Produces high foam Creates lightweight concrete

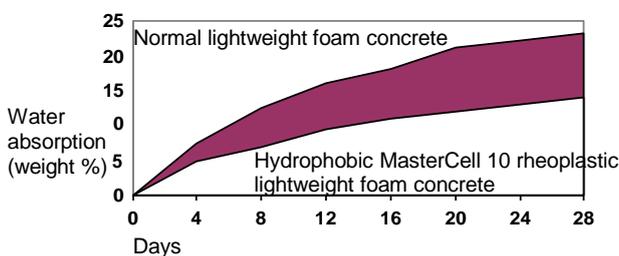
Reduces heat conductivity Provides better heat insulation.

TYPICAL PERFORMANCE DATA

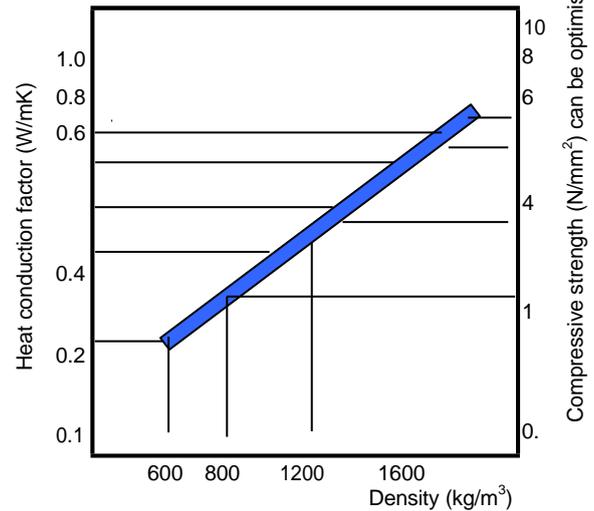
The end user determines the design of **MASTERCELL 10** rheoplastic, lightweight foam concrete. The following typical examples of classes of lightweight concrete are available.

Class	Purpose	Density Kg/m ³	Heat conduct ion factor W/mk	Strength N/mm ²
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

Water absorption



Heat conduction factor and compressive strength depending on the density



PROPERTIES

Form	: Liquid
Colour	: Colourless
Specific Gravity	: 1.05 kg/L
pH	: 9.5 - 10.0
Temperature Tolerance Range	: 0°C to 60°C
Usage Temperature	: Over 0°C

APPLICATION

Dosage

The standard **MASTERCELL 10** apparatus, operating on normal mains water pressure, produces a controllable volume of foam, which is homogeneously mixed in the mobile mixer.

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

PACKAGING

MASTERCELL 10 is supplied in 205L drums and 25kg containers.



We create chemistry

MasterCell 10

SHELF LIFE

MASTERCELL 10 can be stored for 12 months if stored at temperatures above 5°C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

PRECAUTIONS

Health : **MASTERCELL 10** 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.

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STATEMENT OF RESPONSIBILITY (Disclaimer)

The technical information and application advice given in this BASF Construction Chemicals publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF Construction Chemicals either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF Construction Chemicals, are responsible for carrying out procedures appropriate to a specific application.

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