

RHEOCELL[®] 300

Foaming agent for cement milk, mortar and concrete

DESCRIPTION

RHEOCELL 300 is a ready to use foaming agent for producing lightweight foam concrete. Additionally, with artificial lightweight aggregate (ALA), **RHEOCELL 300** enables production of economic lightweight, heat insulating and sound-absorbing foamed mortar and concrete.

FIELDS OF APPLICATION

RHEOCELL 300 is used for bank of tunnel entrance, expansion of roads, etc. (Refer "Foamed Cement Banking Method" developed by Japan Highway Public Corporation).

- Backfilling of tunnel lining, making flat subsoil on slopes, soft ground treatment, etc
- Filling various unused pipes, etc.
- Heat insulation products, ALC panels, etc, particularly requiring fine surface.
- Cap flashing, raising floor level and non structural applications.
- The substrate of waterproofing in deck roofs, balconies, etc., slab mortar and concrete on the ground and the substrate of pedestrian deck
- Other various air-entrained cement milk and foamed mortar and concrete application.

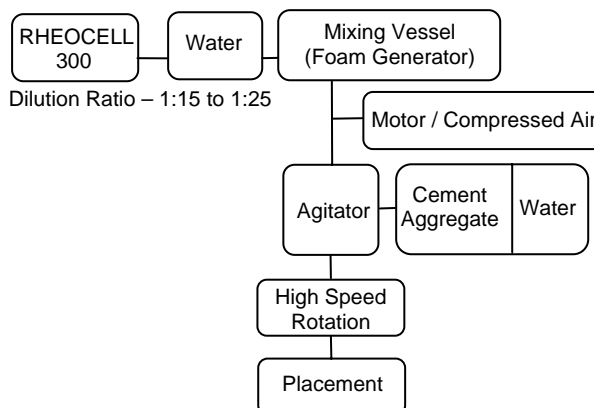
FEATURES AND BENEFITS

Bleeding reduced	Minimises sedimentation.
Dosage can be varied considerably	By varying the dosage rate, stable and independent fine foam can be produced (approx. 70% in cement milk, 60% in mortar and 30% in concrete).
Odourless	Maintain good working environment at tunnel, underground jobs, etc due to odourless agent.
Produces high foam	Achieve excellent foaming performance not only in cement milk but also in mortar and concrete.
Reduces heat conductivity	Provides better heat insulation.

APPLICATION

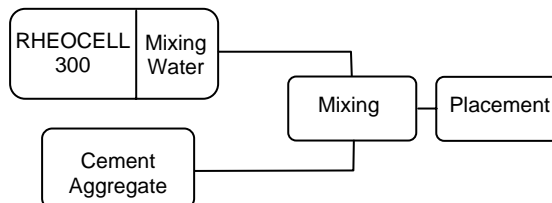
Pre-foamed method

1. Dilute **RHEOCELL 300** with water at a ratio of 1:19.
2. Control amount of compressed air and flow of diluted **RHEOCELL 300** in order to obtain appropriate optimum foam volume (Volume of foam/Volume of diluted **RHEOCELL 300**), around 20- 25 times.
3. Introduce foam into either continuous mixer or agitator truck directly and mix well at high speed with mortar or concrete for at least 10-15 min. Then place foamed mortar /concrete by pump, etc.
4. Consult local BASF Construction Chemicals representative about foaming machine, etc. in detail.



Ordinary mix method

1. Introduce undiluted **RHEOCELL 300** into mixing water. In this case, amount of **RHEOCELL 300** should be considered as a part of mixing water.
2. Mixing procedure: Introduce aggregate and cement into the mixer and then add mixing water with **RHEOCELL 300**. Mix well for 1.2 – 1.5 times longer period of ordinary mix.



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The Chemical Company

RHEOCELL[®] 300

DOSAGE

Dosage varies considerably according to employed materials, temperature, mix-design, mixing procedure, etc. Therefore, trial mix should be made to determine the appropriate dosage.

Consult a BASF Construction Chemicals representative for more information.

PACKAGING

RHEOCELL 300 is supplied in 200 kg drum.

SHELF LIFE

RHEOCELL 300 can be stored for 12 months if stored at temperatures between 5°C to 40°C in tightly sealed original drums. If found to be frozen, do not reconstitute by stirring. Please consult local BASF Construction Chemicals representative.

PRECAUTIONS

For detailed Health, Safety and Environmental recommendation, please consult and follow all instructions in the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY

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

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