

Cemairin F300

Foaming agent for lightweight concrete



DESCRIPTION

Cemairin F300 is a liquid foaming agent used to produce light weight foam concrete. Cemairin F300 should be used with appropriate foam generator to produce consistent pre-foam which when mixed with cement only or with sand/cement mortar will produce light weight mixes with densities between 300 – 1500 kg/m³.

APPLICATIONS

Light weight concrete produced with the aid of Cemairin F300 is typically used in the following applications:

- » Roof thermal insulation.
- » Under-floor heat insulation.
- » Light weight block.
- » Void filling.
- » Trench reinstatement.

ADVANTAGES

- » Gives excellent thermal insulation with good compressive strength.
- » Excellent foam stability.
- » Can be used with all types of cement.

COMPATIBILITY

Cemairin F300 is suitable to use with all types of Portland cement and cement replacement materials. Cemairin F300 is compatible with other DCP admixtures used in the same mortar mix.

If more than one type of admixture is to be used in a mortar mix, they must be added to the mortar separately.

METHOD OF USE

An appropriate foam generator should be used to produce a pre-foam by mix feeding Cemairin F300, potable water and compressed air.

The pre-foam is then fed into pre-batched cement/water slurry or sand/cement/water mortar and mixed for 3 - 5 minutes to achieve a homogeneous mixture. The liquid foamed concrete is then pumped using a proper screw pump and placed at the required thickness and slopes.

TECHNICAL PROPERTIES:

Colour:	Pale
Specific gravity:	1.02 ± 0.02 @ 20°C
Freezing point:	≈ 0°C

DOSAGE

The guidance dosage of Cemairin F300 is 0.8 - 2.0 litre/ m³ of foamed concrete. The exact dosage depends upon the required final dry density. The optimum dosage of Cemairin F300 to achieve the desired dry density should always be determined by site trials.

EFFECTS OF OVER DOSAGE

Overdosing of produced pre-foam to the pre-batched mixture will lead to a lower densities and reduced compressive strength.

CLEANING

Clean Cemairin F300 with fresh water.

PACKAGING

Cemairin F300 is available in 25 litre pails, 210 litre drums and 1000 litre bulks supply.

STORAGE

Cemairin F300 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, contact DCP Technical Department for advice.



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CAUTIONS

HEALTH AND SAFETY

Cemairin F300 is not classified as a hazardous material. Cemairin F300 should not come into contact with skin and eyes.

In case of contact with eyes, immediately flush with plenty of water and seek medical attention.

For further information, refer to the Material Safety Data Sheet.

FIRE

Cemairin F300 is nonflammable.

MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.