



Technical Data Sheet

CEMFROPROOF

Accelerating admixture for
concrete blocks

ADVANTAGES:

Quicken setting time.

Increased workability makes placing,
compaction and finishing easier and better

Increased strength due to reduction in w/c ratio.

Reduces permeability and increases durability.

Chloride based.

Emergency repair works.

PRODUCT:

Accelerating admixture for concrete with
plasticizing action. It contains calcium chloride.

PURPOSE:

To accelerate the setting time of concrete and to
reduce water requirement for a specified
workability.

DOSAGE:

0.60 – 1.70 litre per 50 kg cement may be used
for a acceleration of 1 to 4 hours. The optimum
dosage is best determined by site trials.

PACK:

5, 20, 50, 100 litre containers.

A SUBSIDIARY OF DON CONSTRUCTION PRODUCTS LTD., U.K.



No.4, II Block, Chowdhary Complex, Nandanam Extension, 5th Street, Nandanam, Chennai – 600035

Tel: 24331817, 24335345, 52110993 Fax: 24338272 E-mail: dccil@vsnl.com Website: www.don-india.com

DESCRIPTION:

CEMFROPROOF is ready to use accelerating admixture with plasticizing action which improves good dispersion of cement particles and 1-4 hours of acceleration of setting time over controlled concrete. As an accelerator, it can be used to reduce the setting time in cold temperatures. As a plasticiser, it can be used to increase workability without addition of water or obtain increased strength by reduction of water for a given workability. Cement reduction up to 10% is possible for a given workability and strength.

USES :

Cemfroproof has been specially designed for manufacturing concrete hollow, solid, paving blocks and bricks made with fly ash.

PROPERTIES:

Appearance : Brown liquid
Specific Gravity : 1.10 at 30°C.

Compatibility with cements: All types of cement except high alumina cement and rapid hardening cement.

DOSAGE:

Cemfroproof should be used along with the mixing water to ensure uniform dispersion.

As a guide, dosage of 0.6-1.70 litre per 50 kg cement may be used for acceleration of 1-4 hours. However best dosage can be determined by site trials.

OVER DOSING:

Over Dosing by accident can lead to high acceleration effects leading to slight difficulty in pouring. However, it has no effects on the quality of concrete.

Limitation :

Cemfroproof should not be used for reinforced and precast concrete.

Storage life:

One year minimum, if stored in original sealed containers under shade upto 50 deg. C.

Handling Precautions :

Cemfroproof is non toxic. Any splashes on the skin should be washed with water. If contact with eye occurs, wash well and seek medical advice.

How to specify:

Cemfroproof accelerating plasticiser shall be used in concrete strictly in accordance with the instructions of the manufacturers. Don Construction Chemicals India Ltd with a dosage between 0.6-1.70 litres per 50 kg cement.

The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site conditions, etc.

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