



Plastiment® ECO-2

High Performance Water Reducing Admixture

Technical Data Sheet

DESCRIPTION

Plastiment ECO- 2 is a purpose designed plasticiser / densifier for concrete which is a chemical combination of hydrocarboxylic acids.

Plastiment ECO 2 considerably improves concrete quality by reducing water demand for equal workability; controlling the setting and hardening process and improving the gel structure of the hydrated cement with increased ultimate strengths.

Complies with EN 934 Part 2 Table 2 - Water Reducing/Plasticising Admixtures.

USES

- * Readymix concrete
- * Precast concrete
- * Pumped concrete
- * Lightweight concrete
- * Wet shotcrete
- * Semi-dry concrete

ADVANTAGES

- * Improved workability/reduces w/c ratio
- * Flexible extension of slump life
- * Improved surface finish
- * Reduces shrinkage cracking potential
- * Higher initial and ultimate compressive strengths

Technical Data

Form:	Liquid
Colour:	Green
Relative Density @ 20°C:	1.140
Dry Material Content %:	25.5
pH Value:	7.5
Water Soluble Chloride Content %:	<0.1 Chloride free
Alkali Content %: (as Na ₂ O equivalent)	<4.5

Above data provided as manufacturers stated values in accordance with EN 934-2 General Requirements.

METHOD OF USE

For maximum dispersion **Plastiment ECO-2** should be added with the last part of the mixing water, on no account should it be added to the dry cement.

Plastiment ECO-2 can be added at the batching plant but the trucks must rotate their drums until a uniform mix is achieved. To produce flowing concrete a well proportioned pump mix should be used.

EFFECTS OF OVER-DOSING

If **Plastiment ECO-2** is overdosed an increase in workability and set retardation will result. The extent of this increase depends on the amount overdosed.

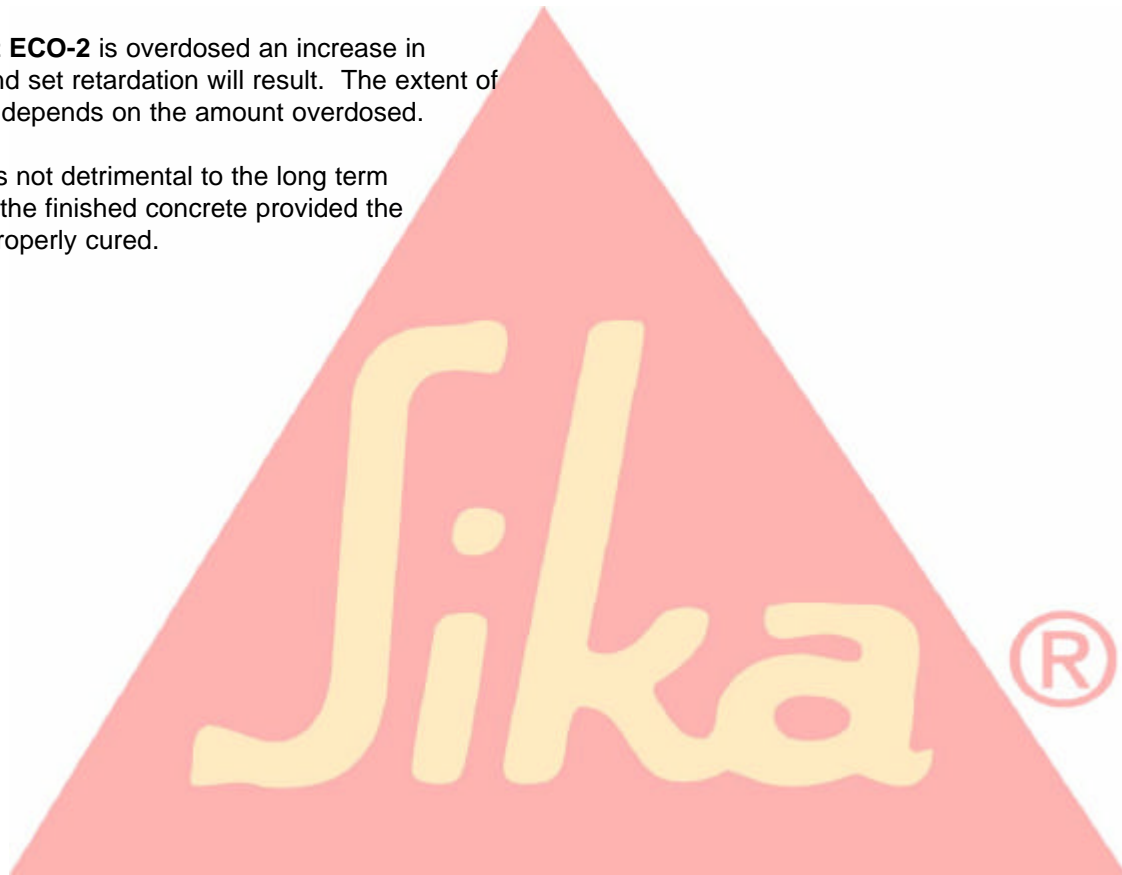
Retardation is not detrimental to the long term properties of the finished concrete provided the concrete is properly cured.

PACKAGING

Plastiment ECO-2 is supplied in 25 litre, 200 litre and 1000 litre containers. Bulk deliveries can be arranged.

STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers in dry warehouse conditions (+5°C - +25°C). Protect from frost.



Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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