

IW-EC

cod. IW EC10

Evaporation reducer for fresh concrete and Architop®

DESCRIPTION

IW-EC is an odourless, concentrated, water-based polymeric liquid which, when laid on fresh concrete or Architop®, forms a thin continuous monomolecular film which prevents the rapid loss of moisture from the surface and controls drying times.

FIELDS OF USE

A careful use of IW-EC is indispensable in the construction of floors in Architop® and in polished concrete to maintain a plastic mix during the power floating and polishing operations and to improve its workability. IW-EC is recommended in the presence of high temperatures, strong sun exposure or wind which can facilitate the onset of shrinkage cracks.

IW-EC is applicable on non-additive concrete surfaces, microsilica concrete, retarded concrete and with all types of pre-mixed hardeners.

Always bull-float or power bull-float the surface after applying IW-EC.

IW-EC is not suitable as curing compound to be applied to the surface of the concrete after it has been finished.

FEATURES

- Reduces plastic shrinkage cracks.
- Reduces evaporation rates up to 80%.
- Minimises surface crusting.
- Improves cement hydration.
- Improves workability during the power float process on concrete and Architop®.
- It is effective for use even after the first smoothing operation.
- Leaves no residue.
- VOC compliant.

TECHNICAL INFORMATION

High temperature and low relative humidity increase the surface evaporation rate and therefore requires the use of IW-EC.

Evaporation rates higher than 1 Kg/m²*h are often the cause of shrinkage cracks. IW-EC, used according to the instructions, reduces the rate of evaporation of water from fresh concrete in the presence of wind up to 80% and up 40% in the presence of intense heat.

It does not reduce the characteristic strength of concrete, abrasion resistance or durability.

- Colour – pink (which fades with exposure to light).
- VOC value 0 gr/L

APPLICATION

Shake IW-EC and mix thoroughly 1 part IW-EC to 9 parts water.

Apply with spray pump.

USE ON ARCHITOP® FLOORS

During the power floating process, wet the area as soon as you feel that the resistance encountered by the blades is excessive.

USE ON CONCRETE FLOORS

Spray over the entire surface during smoothing or between one hardener application and another to control the evaporation. In extreme heat or wind conditions re-apply additional IW-EC as needed.

It can also be used in areas where setting/drying is occurring too quickly.

COVERAGE

The dilution ratio is 9 parts water with 1 part IW-EC.

1 litre of diluted mixture provides coverage from 20 to 50 m².

Consumption: 2.0-5.0 g/m²

PACKAGING / STORAGE / DISPOSAL

IW-EC is available in 10 L jugs.

Stored in the original container at temperatures between 5°C and 20°C, it can be kept for 12 months.

PRECAUTIONS

Do not swallow. Avoid contact with eyes. Consult the technical data sheet.

IMPORTANT

The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is not used in accord with its instructions. The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is performed even partially in contrast with these guidelines or with products not covered by them.

The manufacturer also declines any responsibility for the aesthetic aspect of the flooring which depends on the installation methods, working times and climatic conditions of the site. The applicator must take these into account when scheduling and applying the materials supplied by the manufacturer.

The applicator notes that Ideal Work is in no way responsible for the suitability of the solution chosen in relation to:

A) Substrate suitability, climatic conditions or any other external parameter which may affect the performance of the Ideal Work products being used.

B) The stresses to which Ideal Work products may be put under operation.

It also notes that the indications provided by Ideal Work in its technical documentation are to be considered a necessary condition but do not in any way relieve the contractor of the responsibilities and technical evaluations of the applicator. The data can be changed at any time. Also note that the products are intended for professional use only.