

## IW-EC

### Evaporation reducer for fresh concrete and Architop®

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#### **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.

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#### **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.

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#### **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.

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#### **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/m<sup>2</sup>\*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

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#### **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.

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**Coverage**

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

1 litre of diluted mixture provides coverage from 20 to 50 m<sup>2</sup>

Consumption (2.0-5.0 g/m<sup>2</sup>)

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**Packaging / storage / disposal**

IW-EC is available in 10L jugs.

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

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**Warnings**

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

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**IMPORTANT**

All information contained herein is based on the best and most recently available practical and laboratory testing. It is the customers responsibility to determine that the product is suitable for their chosen application. The manufacturer assumes no responsibility for the results of incorrect applications. You should always test on a small area before full scale application. This document replaces all previous versions. The data can be changed at any time. Also note that the products are intended for professional use only. Ideal Work provides training, updates and refresher courses for their regular customers on request. Anyone using these products without being enabled does so at their own risk.

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