

Chryso® Optec EC-111

Efflorescence reduction agent

DESCRIPTION

Chryso® Optec EC-111 is an integral waterproofing admixture designed to **reduce efflorescence and improve surface appearance** in concrete. By limiting capillary water movement within the concrete, it reduces the migration of soluble salts to the surface, helping concrete elements maintain a clean, uniform finish.

The product also improves concrete homogeneity and pigment dispersion, making it particularly suitable for **architectural, coloured, and decorative concrete applications**.

BENEFITS

- Reduces primary efflorescence
- Limits secondary efflorescence through water-repellent action
- Improves surface finish and visual appearance
- Enhances durability of concrete elements
- Maintains clean, uniform masonry units
- Improves pigment dispersion and colour intensity
- Effective in white cement and coloured concrete systems
- Easier dispersion compared with powder waterproofing products

FIELDS OF APPLICATION

Chryso® Optec EC-111 is suitable for:

- Concrete slabs
- Interlocking paving stones
- Kerbstones
- Palisades
- Masonry units
- Architectural and decorative concrete elements

Chryso® Optec EC-111 can be used with most types of cement.

For special cements, consultation with Chryso Technical Services is recommended.

Chryso® Optec EC-111 **must not be premixed** with other admixtures.

All admixtures should be added separately to avoid interference with performance.

INDICATIVE INFORMATION

Product Nature	Liquid
Color	White
Lifetime	6 months

PACKAGING

- 15L Container
- Drum 205L

METHOD OF USE

Dosage :

Typical dosage range:

- **0.20 – 2.00%** by weight of cement
- **200 – 2,000 ml per 100 kg of cement**

The effect obtained depends on the dosage used, water/cement ratio, and constituent materials. Site or plant trials should be carried out to determine optimum performance.

Chryso® Optec EC-111 is supplied ready for use.

- Add with part of the batching water **after the addition of cementitious materials**
- Independent automatic dispensing equipment is recommended
- Must not be premixed with other admixtures

PRECAUTIONS

- Store away from extremes of heat or cold
- Keep in shaded storage
- Protect from freezing (approximate freezing point: 0 °C)

SAFETY

For health, safety, and environmental information, refer to the relevant **Safety Data Sheet (SDS)**.

For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com.

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Chryso
Concrete
Solutions

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- Container of 1000L
- Bulk delivery on request

ADDITIONAL INFORMATION

Overdosing may:

- Increase workability and air content
- Induce segregation in high-workability concretes
- Extend setting times, particularly at low temperatures or with sulphate-resisting cements

If overdosing is suspected, the concrete should be assessed in its plastic state with particular attention to consistency and cohesiveness.