

# OPTEC<sup>®</sup> 650

Admixture for enhancing high-quality surfaces and for reducing efflorescence.

## Product Description

OPTEC<sup>®</sup>EC-650 is used for enhancing all high-quality concrete elements that require efflorescence reduced surfaces. Most important examples for application include the production of slabs, interlocking pavement, kerbstones, palisades, masonry elements, etc.

## Mode of Action

The active substances of OPTEC<sup>®</sup>EC-650 make the walls of capillary pores water-repellent and reduce the capillary suction effect. The transport of dissolved calcium hydroxide to the surface is impaired and thereby, the tendency to effloresce is significantly reduced. Surface-active substances create a better dispersion of the cement particles, making the concrete more homogeneous and easier to compact. Superficial slurries that are generated during vibration effect closed textured surfaces. Moisture is reduced in the capillaries. A better dispersion of colour pigments allows a more intense and even dyeing of the concrete.

## Dosing and Special Information

OPTEC<sup>®</sup>EC-650 is added to the gauging water or the ready mix. The concrete should be run as moist as possible in order to increase the effect of OPTEC<sup>®</sup>EC-650.

Preliminary tests according to official national standards are always required before use!

Status: 01/14

## Technical Data

OPTEC <sup>®</sup> EC-650	
Form	Fluid
Colour	yellow
Density	1.04 ± 0.02 g/cm <sup>3</sup>
pH-value	10.0 ± 1.0
Storage	Keep original containers closed, protect from excessive heat and frost.
Recommended Dosage	0.20–2.10 m.-% by cement mass
Physiological effect	May irritate skin and eyes; see SDS (Safety Data Sheet).
Shelf life	approx. 1 year in closed original containers

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