



## Intensive Colour Intensification – powerful protection

STONE Betofresh C45: colour protection and efflorescence reducer



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## ◆ Easy to use – high quality results

**STONE Betofresh C45** is applied directly to fresh concrete and consequently protects it from perspiration. Especially at warm temperatures and with low air humidity, it prevents the concrete from drying too quickly and thus encourages crystallisation. Cracking and shrinkage is avoided, efflorescence is also reduced significantly thanks to the reduced water uptake of the coated surfaces and wear resistance is increased. **STONE Betofresh C45** also acts as a primer for subsequent coatings. In addition, the product provides an intensive colour intensification for concrete products, such as e.g. paving stones and terrace tiles.

### Your advantages with **STONE Betofresh C45**:

- ◆ Improves wear resistance
- ◆ Creates a water-repellent film
- ◆ Reduces cracking
- ◆ Reduces shrinkage
- ◆ Very good reduction in tendency to effloresce
- ◆ Intensive colour intensification with long-term colour protection

## Using the Product

**STONE Betofresh C45** is applied as a ready-to-use watery dispersion onto fresh concrete goods (e.g. concrete and paving stones) as soon as the free surface water has disappeared. The quantity applied should come to 150 - 250g/m<sup>2</sup> depending on the surface condition and should be determined with pre-tests.



Comparison after 12 months of weathering:  
In the lower area the stones are protected with **STONE Betofresh C45**.

## ◆ **STONE MH 31** Mass Hydrophobisation: the safety extra



Comparison after 12 months of weathering:  
In the upper area there is a clearly recognisable reduction in efflorescence due to the combined use of **STONE Betofresh C45** and **STONE MH 31**.

**STONE MH 31** was developed for the mass hydrophobisation of concrete tailored to the advantages of **STONE Betofresh C45**. As a water-soluble silane-siloxane emulsion, it is easy to work with and virtually free of volatile substances. **STONE MH 31** strongly reduces the absorbance capability of the concrete, while keeping it breathable and permeable to water vapour. In this way, growth, frost damage or other corrosion is avoided, efflorescence is strongly reduced and it also has a plasticising effect.

### Your advantages with **STONE MH 31**:

- ◆ Effective hydrophobisation
- ◆ Easy to use
- ◆ Reduced tendency to effloresce
- ◆ Plasticising
- ◆ Frost and salt resistant

## Using the Product

The product is added during the manufacture of fresh concrete and develops its hydrophobic effect with the concrete binding process. The precise quantity to be added must be determined in pre-tests. As a reference value, a quantity of 0.5 - 2% relating to the quantity of cement/binding substance.

For further information and recommendations for use, application and protection as well as details about the product characteristics, please visit our homepage at [www.stone-sv.de/products](http://www.stone-sv.de/products).

