

CK 116

Screed Additive ES-100

Highly concentrated screed additive

CHARACTERISTICS

- ▶ strongly plasticizing
- ▶ uniform hardening
- ▶ strength increasing
- ▶ prevents the segregation of pumpable mortar
- ▶ reduces shrinkage cracking

SCOPE OF USE

CK 116 Screed Additive ES-100 is a versatile concentrated admixture that can be used with all cement-based screed mortars. The additive lowers the surface tension of the gauging water and thus helps to optimally deflocculate the cement particles.

CK 116 Screed Additive ES-100 has especially proven its worth as a pumping aid since it prevents the segregation of the mixture during the pumping process. It improves the workability and compactibility of the cement, increases the water absorption capacity, reduces the shrinkage cracking and enhances the final strength.

APPLICATION

CK 116 Screed Additive ES-100 is admixed to the mortar via the gauging water. One double pouch is sufficient for 200 l of water (follow the instructions in the Technical Data Sheet of the respective product used). When using moist or wet aggregates, the dosage needs to be increased. In these cases, the amount of water added to the double pouch is reduced accordingly. Protect newly applied screed from too rapid dehydration for 1 to 2 days. The most suitable product for this purpose is CK 615 Curing Compound D.

PLEASE NOTE

Cement sets off an alkaline reaction with water. Therefore protect eyes and skin.



If contact occurs, rinse with plenty of water. Observe the warnings-, safety- and waste disposal advice given in the safety data sheet.

Should you need support or advice, please consult our advisory service for architects and craftsmen on the hotline numbers

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TECHNISCHE DATEN

| | |
|--------------------------|--|
| Material base: | surfactant in aqueous solution |
| Density: | approx. 1.0 kg/dm ³ |
| Physical state / colour: | viscous / colourless |
| Soluble: | in water |
| Application temperature: | above +5 °C |
| Dosage: | 1 double pouch for 200 l of water, i.e. 0.03 % of the cement weight |

Consumption table/ guide values:

| | | | | | | |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Screed height | 2.5 cm | 3.0 cm | 3.5 cm | 4.0 cm | 4.5 cm | 5.0 cm |
| Screed area with 1 pouch | 18 m ² | 15 m ² | 13 m ² | 11 m ² | 10 m ² | 9 m ² |
| Screed area per double pouch | 36 m ² | 30 m ² | 26 m ² | 22 m ² | 20 m ² | 18 m ² |

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| Shelf life: | At least 12 months if stored in a cool but frost-free place. Use up opened pouches as soon as possible. |
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Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

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