

MC-Estrifan Additiv KD 961

high quality polymer dispersion for cementitious and heating screeds



PRODUCT PROPERTIES

- Liquid
- Silicone free
- Significant improvement of the flexural and compressive strength
- Reduces the appearance of shrinkage cracks
- Has a plasticising effect
- Good water retention
- Optimises the water/cement-value

AREAS OF APPLICATION

- Thin-layered cement and restoration screeds
- Cement screeds with increased loads
- Heating floor screeds
- Screeds in factories which use paints and varnishes, e.g. automobile industry
- Strength up to EN 13813-CT-C60-F11

APPLICATION ADVICE

General information: MC-Estrifan Additiv KD 961 is used for the manufacturing of high quality cement screeds up to DIN EN 13813-CT-C60-F11.

MC-Estrifan Additiv KD 961 improves the elasticity of cementitious systems. This allows the manufacture of thin-layered screeds (at least 30 mm) and heating screeds with a covering of the heating hoses of at least 30 mm.

In case of manufacturing floating floor screeds and heating floor screeds an appropriate insulation has to be chosen.

Mixing: MC-Estrifan Additiv KD 961 is added together with the starter liquid. The mixing time should not be less than 3 - 5 minutes.

Application: Due to the increased water-retention the smoothing-process is facilitated and the surface-quality is improved. The plasticizing effect and the polymer additives and the screed material increase the flexural and compressive strength.

For compound application we recommend the use of a high quality mineral bonding agent like MC-Estribond MB.

Dosage: The optimal dosage is determined in preliminary tests with the corresponding aggregates and cements. In the course of these suitability tests the technical properties and the workability of the screed mortar can be tested.

Further information: When working with this product please consider the safety data sheet for the handling MC-Estrifan Additiv KD 961!

The following recipe examples and associated technical values given apply to 200 l mortar mixtures for earth-moist, non-flowing cement screeds according to DIN 18560.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	g/cm ³	approx. 1.01	
Dosage recommendation	%	approx. 5 - 10	to the weight of the cement
	l	approx. 2.5 - 5	to the weight of the cement
Example formulation (DIN EN 13813-CT-C35-F7) ¹⁾	kg	50	cement (CEM I 32.5 R) (2 bags)
	kg	250	Screed sand 0/8 (B8 to DIN 1045-2)
	l	approx. 11	Water depending on the moisture content of the sand
	l	approx. 3.5	MC-Estrifan Additiv KD 961
Example formulation (DIN EN 13813-CT-C45-F9)	kg	62.5	cement (CEM I 32.5 R) (2.5 bags)
	kg	250	Screed sand 0/8 (B8 to DIN 1045-2)
	l	approx. 12.5	Water depending on the moisture content of the sand
	l	approx. 4.5	MC-Estrifan Additiv KD 961
Example formulation (DIN EN 13813-CT-C60-F11)	kg	75	cement (CEM I 32.5 R) (3 bags)
	kg	220	Screed sand 0/8 (B8 to DIN 1045-2)
	kg	50	moraine chippings
	l	approx. 13.5	Water depending on the moisture content of the sand
	l	approx. 5.5	MC-Estrifan Additiv KD 961

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

1) or thin-layer screeds from 30 mm

Self-monitoring	EN ISO 9001
Packaging disposal	Make sure single-use containers are completely empty.
Designation of admixture	MC-Estrifan Additiv KD 961
Colour	white
Form	liquid
Colour code of label	violet
Delivery form	30 kg canister(s) (gfn) 200 kg drum

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets.

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018518]