

MC-Estrifan SN 60 T

Cement based screed mortar

Product Properties

- Ready to use - simply mix with water
- Polymer modified
- Low shrinkage
- Can be applied in layer thickness between 10 mm and 60 mm per work step
- Can be pumped with screed-pumps
- Quickly loadable
- Easy manual processing, can be worked with blade trowels
- Frost-resistant when completely hardened
- Strength category EN 13813-CT-C40-F6-A15-B1.5

Areas of Application

- Levelling of uneven cement screed- and concrete floors
- Levelling and manufacture of screeds on steeply sloped areas, e.g. ramps
- Manufacture of screeds on separating layers and compound screeds in indoor and outdoor areas

Application Notes

Floor heating must be turned off 24 hours before the application of MC-Estrifan 60 T. Depending on the intended use and the area of application of MC-Estrifan SN 60 T the relevant technical regulations, EN 13813 must be observed.

Substrate Preparation for Compound Screeds and Repair Work

For a composite application the use of the high-quality bonding agent MC-Estrifan Haftbrücke is necessary to improve the adhesion. On the substrate preparation please observe the information of the relevant technical data sheets for the bonding agent.

Substrate Preparation for Screed on Separating Layer

No bonding agent is necessary for applications on a separating layer. The substrate must be smooth and load-bearing and allow for an even layer-thickness.

Mixing

For mixing 2.3 litre of fresh water are filled into a clean container. Remember that, as with any cementitious product, the water requirement may vary. The content of the 25 kg pack MC-Estrifan SN 60 T is added bit by bit under continuous stirring. Use slow moving agitators for mixing (max. 400 rpm).

Agitators with two counter rotating paddles are optimal, e.g. beba mixer B7, Collomix RGE 162 Duo, etc. Forced mixers are also suitable. The mixing takes approx. 2 - 3 minutes. An "earth-moist" consistency is necessary for processing. Partially cured material must not be stirred and/or used again. The freshly applied and processed mortar, if it is already hardening, must not be re-touched or rubbed down.

Application

MC-Estrifan SN 60 T is worked into the fresh bonding layer in a single layer. MC-Estrifan SN 60 T must only be processed at substrate and ambient temperatures of at least + 5 °C.

Curing

During the curing period the freshly applied MC-Estrifan SN 60 T must be protected from stress of any kind (e.g. draft, direct sunlight, extreme temperature fluctuations, moisture, premature traffic, etc.)! If the incompletely cured screed mortar is exposed to moisture, e.g. rain or dew, light discolorations may appear on the surface.

For heating screeds start the heat-up process after the screed has hardened completely after 28 days. The flow temperature is raised by 5 °C per day until the maximum has been reached. After three days on the maximum flow temperature, it is again reduced step by step.



Technical Data for MC-Estrifan SN 60 T

Characteristic	Unit	Value	Comments
Bulk density of wet mortar	g/cm ³	approx. 2.15	
Added water	l	approx. 2.3	per 25 kg powder
Layer thickness	mm	10 - 60	single layer
Consumption	kg/m ² /mm	approx. 2	
Resistant to foot traffic after *	hours	approx. 24	at 20 °C and 50 % relative humidity
Processing temperature	°C	> + 5 bis < 30	
Processing time*	minutes	approx. 30	at 20 °C and 50 % relative humidity
Compressive strength*			
after 48 hours	N/mm ²	approx. 25.0	at 20 °C and 50 % relative humidity
after 7 days		approx. 35.0	
after 28 days		at least 45.0	
Flexural strength*			
after 48 hours	N/mm ²	approx. 4.0	at 20 °C and 50 % relative humidity
after 7 days		approx. 4.9	
after 28 days		at least 6.8	
Resistance to wear	cm ³ / 50 cm ²	< 15	A 15
Adhesive tensile strength	N/mm ²	1,5	B 1,5
Shrinkage	mm/m	< 0.6	at 20 °C and 50 % relative humidity
Classification of fire behaviour:		A _{fl} - s1	ovg. Anteil < 1%
Resistant to de-icing salt			no
Resistant to temperature changes			yes
Resistant to frost-thaw-changes			yes

*Low temperatures delay, higher temperatures accelerate the hardening process.

Product Characteristics for MC-Estrifan SN 60 T

Internal Production Supervision	DIN EN ISO 9001
Colour	grey
Consistency	powder
Form of Delivery	25 kg bag (pallet 40 x 25 kg)
Storage	Can be stored in closed packs for at least 12 months. Keep dry and frost free!
Disposal	For the sake of our environment please empty the packs completely!

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 02/14. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.