

MC-Estrifan SN 25

Self levelling compound

Product Properties

- Ready to use - simply mix with water
- Polymer modified
- Self levelling
- Can be applied in layer thicknesses between 5 and 25 mm per work step
- Quickly loadable
- Good mechanical properties (accessible for cars and casters-rolls)
- Good resistance to frost
- Strength category EN 13813-CT-C30-F6-A22-B1.5

Areas of Application

- Levelling of uneven cement screeds and concrete floors in indoor and outdoor areas
- Prefabricated concrete garages
- Areas with floor heating

Handling

Substrate Preparation

The substrate must be sufficiently rough, load-bearing, absorptive and free of adhesion-impairing materials. Cracks = 0.2 mm in width must be closed friction-locked with a fluid two-component epoxy resin, e.g. MC-Estrifan RIS. Depressions and damages of more than approx. 2 cm depth must be filled-in with MC-Estrifan SN 25.

To improve the adhesion a mineral bonding agent MC-Estrifan Haftbrücke or the liquid primer MC-Estrifan Grund T 15 should be used. The information on the relevant technical data sheets must be observed.

Floor heating must be turned off 24 hours before application. Depending on the intended use and the area of application of MC-Estrifan SN 25 the relevant technical regulations must be observed.

Mixing

For mixing 4.5 litre of fresh water is filled into a clean vessel. The content of the 25 kg pack MC-Estrifan SN 25 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. The mixing should take at least 3 minutes, until a homogenous, flo-

wable mortar has been achieved.

Only complete packs must be mixed in order to achieve consistent mortar properties. Partially cured material must not be stirred and/or used again.

Application

After mixing MC-Estrifan SN 25 should be left to settle for 1 minute before it is applied onto the touch-dry primer MC-Estrifan Grund T 15 or the matt-moist, partially dried MC-Estrifan Haftbrücke. Seams and skin formation in the joint areas of individual sacks must be avoided by working continuously. Before the formation of a surface-skin, the material should be de-aerated with a spiked roller. This also optimises the flow over the surface. MC-Estrifan SN 25 can also be applied by pumping.

Further Information

During the curing-period the freshly applied MC-Estrifan SN 10 must be protected from stress of any kind (e.g. draft, direct sunlight, extreme temperature fluctuations, moisture, premature traffic, etc.!) Chemically and mechanically loaded areas are subject to usage-caused wear and tear. Regular inspections and continuous maintenance are recommended.

Technical Data for MC-Estrifan SN 25

Characteristic	Unit	Value	Comments
Bulk density of wet mortar	g/cm ²	approx. 2.1	
Added water	litre	approx. 4.5	per 25 kg powder
Layer thickness	mm	5 - 25	single layer
Consumption	kg/m ² /mm	approx. 1.8	
Resistant to foot traffic after...*	hours	approx. 12	at + 20 °C and 50 % relative humidity
Processing temperature	°C	≥ + 5 to < 30	
Processing time*	minutes	approx. 30	at + 20 °C and 50 % relative humidity
Compressive strength*			
after 48 hours	N/mm ²	approx. 10.0	at + 20 °C and 50 % relative humidity
after 7 days		approx. 18.5	at + 20 °C and 50 % relative humidity
after 28 days		at least 31.2	at + 20 °C and 50 % relative humidity
Flexural strength*			
after 48 hours	N/mm ²	approx. 2.8	at + 20 °C and 50 % relative humidity
after 7 days		approx. 4.9	at + 20 °C and 50 % relative humidity
after 28 days		at least 6.7	at + 20 °C and 50 % relative humidity
Resistance to wear	cm ³ / 50 cm ²	< 22	A 22
Adhesive tensile strength	N/mm ²	mind. 1,5	B 1,5
Shrinkage	mm/m	< 1,0	
Classification of fire behaviour:		A _{2fl} - s1	MPA NRW Nr. 230006326-7
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 25

Internal Production Supervision	DIN EN ISO 9001
Colour	pale grey (variances due to production)
Consistency	powder
Form of Delivery	25 kg bag (pallet 40 x 25 kg)
Storage	Can be stored in closed packs for at least 9 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 01/14. 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.