



MC-Estrifan SN 10

Self levelling compound

Product Properties

- Ready to use - simply mix with water
- Polymer-modified
- Can be applied in layer thicknesses of up to 20 mm per work-step
- Low emission as per VOC, low chromate content
- Quickly accessible, waterproof
- Frost-resistant
- Good mechanical properties (trafficable for cars and caster-rolls according to DIN EN 12529)
- Strength category DIN EN 13813-CT-C30-F7-A22-B1,5

Areas of Application

- Levelling of uneven cement screeds, concrete floors, natural and artifice stone substrate
- For indoor and outdoor application
- Levelling of moist rooms
- Areas with floor heating
- Substrate for different floor covering, like ceramic tiles, carpeting, PVC etc.

Application Notes

Substrate Preparation

The substrate must be sufficiently rough, load-bearing, absorptive and free of adhesion-impairing materials.

Cracks ≥ 0.2 mm must be closed force fit with a fluid two-component epoxy resin, e.g.

MC-Estrifan RIS and MC-Estrifan RIS-SL. Larger cavities and damages must be levelled with a mineral grout like MC-Estrifan SN 60 T. To improve the adhesion use the liquid primer MC-Estrifan Grund T 15.

Floor heatings must be turned off 24 hours before application. Depending on the intended use and the area of application of MC-Estrifan SN 10 the relevant technical regulations must be attended.

Mixing

For mixing approx. 5.5 l of fresh water are filled into a clean vessel. The content of the 25 kg bag MC-Estrifan SN 10 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, flowable mortar has been achieved.

Only complete packs must be mixed in order to achieve consistent mortar properties.

The amount of water must be measured accurately with a measuring cup and must not vary from sack to sack. Variations in the water-amount will cause different colour-shades in the material. Partially hardened material must not be stirred and/or used again.

Application

After mixing MC-Estrifan SN 10 should be left to settle for 1 minute before it is applied onto the touch-dry primer MC-Estrifan Grund T 15.

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.

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 advised.

Technical Data for MC-Estrifan SN 10

Characteristic	Unit	Value**	Comments
Bulk density of wet mortar	g/cm ²	approx. 2.0	
Added water	litre	5.5	per 25 kg bag
Layer thickness	mm	up to 20	single layer
Consumption	kg/m ² /mm	approx. 1.6	
Resistant to foot traffic after...*	hours	approx. 3	
Full trafficable	days	7	
Processing temperature	°C	≥ + 5 to < 30	air- and ambient temperature
Processing time*	minutes	approx. 30	
Compressive strength*			
after 24 hours	N/mm ²	> 11	
after 7 days		> 20	
after 28 days		> 30	
Flexural strength*			
after 24 hours	N/mm ²	> 3.0	
after 7 days		> 5.0	
after 28 days		> 7.0	
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	
Max. field size	m ²	40	respect joint plan

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

** All values have been determined at 23 °C and 50 % relative humidity.

Product Characteristics for MC-Estrifan SN 10

Internal 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 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 06/15. 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.