

MC-Floor Easyplan classic

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

APPLICATION ADVICE

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-Floor Screed classic. To improve the adhesion use the liquid primer MC-Estribond uni. Floor heatings must be turned off 24 hours before application. Depending on the intended use and the area of application of MC-Floor Easyplan classic 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-Floor Screed classic 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, Collo-mix 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 colourshades in the material. Partially hardened material must not be stirred and/or used again.

Application: After mixing MC-Floor Easyplan classic should be left to settle for 1 minute before it is applied onto the touch-dry primer MC-Estribond uni. 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 deaerated with a spiked roller. This also optimises the flow over the surface.

Time interval between last application and laying of:	
ceramic coverings	~ 3 hours
natural stone	~ 6 hours
textile coverings	
< 10 mm	~ 24 hours
> 10 mm	~ 48 hours
parquet	
< 5 mm	~ 24 hours
> 5 mm	~ 48 hours

APPLICATION ADVICE

Further information: During the curing-period the freshly applied MC-Floor Easyplan classic 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 VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Maximum grain size	mm	0.4	
Water addition	l	approx. 5.5	per 25 kg
Working time	minutes	approx. 30	
Application conditions	°C	≥ 5 < 30	air and substrate temperatures
Consumption	kg/m ² /mm	approx. 1.6	
Flexural strength	N/mm ²		
24 h		> 3	
7 d		> 5	
28 d		> 7	
Compressive strength	N/mm ²		
24 h		> 11	
7 d		> 20	
28 d		> 30	
Tensile strength	N/mm ²	≥ 1.5	B 1.5
Resilient after	days	7	
Accessible after	hours	approx. 3	
Layer thickness	mm	≥ 3	
		≤ 20	single-layer
Shrinkage	mm/m	< 1	
Abrasion resistance per Böhme test	cm ³ /50 cm ²	< 22	A 22
Fresh mortar bulk density	kg/dm ³	approx. 2	
Field size	m ²	approx. 40	ensure compliance with joint plans

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

Fire classification	A2 _{fl} - s1
Colour	grey
Delivery form	25 kg sack (pallet: 40 x 25 kg)
Self-monitoring	EN ISO 9001
Storage	Can be stored in cool and dry conditions for at least 9 months in original unopened packs.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : ZP1

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. [2400021904]