MC-Easyplan Classic (Previously known as MC-Floor Easyplan M9)

Standard, self-levelling, cementitious underlayment

Product Properties

- Ready to use - simply mix with water
- Polymer-modified, excellent flowability
- Good strength development and rapid loadable
- Can be applied in layer thickness up to 10 mm per work step

Areas of Application

- Levelling of uneven cement screeds, concrete floors and natural stone substrates
- For use in car-parks, garages, department stores, warehouses, commercial and industrial areas or similar
- As a substrate for different floor covering such as reactive resin coatings, ceramic tiles, vinyl tiles or sheets , parquet, carpeting, PVC floors, etc.

Application

Surface Preparation

The substrate must be sufficient rough, load bearing, absorptive and free of adhesion impairing materials.
Cracks > 0.2 mm must be closed force fit with two-component epoxy resin putty, e.g. MC-Floor Easyplan EP. Larger cavities and damages must be levelling with a mineral grout like Emcekrete HP 80 or epoxy resin mortar: MC-DUR 1200 VK M filled with SK 1 filler.

Priming

Apply MC-Estripox with rollers or brushes. MC-Estripox is mandatory for weak and absorbent substrates in order to maintain flow consistency and reduce bubbling caused by air pockets in the substrate. A second coat of primer is recommended for highly-absorbent substrates.
For non-absorbent surfaces, please ask for MC technical assistance.

Mixing

4.4 liters of fresh water is measured and filled into a clean vessel. 20 kg packing of MC-Easyplan 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, Collomix RGE 162 DUO, etc. The mixing should take at least 3 minutes, until a homogeneous, flowable screed is achieved.

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

The amount of water must be measured accurately with a measuring cup and must not vary from sack to sack. Variation in the water amount will cause different colour shades and in the material. Excess water dosage will cause material “bleeding” in a result of adhesion impairing layers happen on top of the dried surface. Partially hardened material must not be stirred and/ or used again.

Application

After mixing, MC-Easyplan Classic should be left to settle for 1 minute before it is applied onto the touch-dry MC-Estripox Using screeding tools, steel floats or rubber squeegees to spread the material to the required thickness. Seams and skin formation must be avoided by working continuously. Before the formation of s surface-skin, the material should be deaerated with spiked rollers. This also optimizes the flow over the surface. Over spiked-rolling past the working time of the material will cause roller marks.

General Information

During the curing period, the freshly applied MC-Easyplan Classic must be protected from stress of any kind, e.g. draft, direct sunlight, extreme temperature fluctuations, moisture, premature traffic, etc. Integral ventilation system should be set-up to ensure proper hydration of the material, especially in closed areas.

Mechanically and chemically exposed surfaces are subject to wear and tear. Regular check-ups and continuous maintenance are advised.

BE SURE. BUILD SURE.

Technical Data for MC-Easyplan Classic

Characteristic	Unit	Value	Comments
Bulk density of wet mortar	g/cm³	approx. 2.000	-
Water dosage	liter	4.300 4.500	min. max.
Working time	minutes	approx. 30	at 23°C and 50% relative humidity
Layer thickness	mm	min. 3 max. 10	per work step
Consumption	kg/m²/mm	approx. 1.500	-
Resistance to foot traffic after…	hours	approx. 3	at 23°C and 50% relative humidity
Time until full traffic load	days	7	at 23°C and 50% relative humidity
Application condition	°C	> 10 - < 30	air and ambient temperature
Linear shrinkage	%	< 0.1	after 28 days
Flow spread	mm	approx. 260	BS Cone
Indentation resistance	-	pass	ASTM C587
Compressive strength	N/mm²	approx. 8 approx. 20 approx. 30	after 24 hours after 7 days after 28 days
Flexural strength	N/mm²	approx. 10	after 28 days
Tensile adhesive strength	N/mm²	min. 1.500	-

Technical Data for MC-Estripox

Characteristic	Unit	Value	Comments
Consumption	ml/m²	150 - 250	per work step
Touch-dry after…	minutes	approx. 60	at 23°C and 50% relative humidity

Product Characteristics

	MC-Easyplan Classic	MC-Estripox
Colour	Greyish	Reddish pink
Delivery	20 kg pack	5 liter and 10 liter packs
Consistency	Powder	Liquid
Shelf life	6 months	9 months
Storage	Can be stored in cool (> 5°C - < 25 ºC) and dry conditions in original unopened packs. Protect from frost!	
Disposal	In the interest of the environment, please empty all packs completely & in accordance with local regulations.	

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

Edition 03/22. 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.

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