

Epoxy Filler SK1

Blended, quartz fillers

Properties

- Repair, screeding and reprofiling mortar
- Hard wearing properties
- High mechanical properties
- Mixed with MC-DUR 1200 VK M epoxy resin binder

Area of Application

- Heavy duty industrial workshops and warehouses.
- Economical leveling screed for damaged concrete.
- Patch repair mortar and coving detail.
- Economical build layer for higher thickness systems.

Application

Substrate

Suitable substrates are concrete, polymer modified concrete or steel. The substrate should have a tensile strength of at least 1.5 N/mm² when measured according to a recognised national standard. The substrate must be free from standing water. The substrate must be clean and free from dust and loose particles. All traces of contamination e.g. oils and chemicals must be removed. Steel should be prepared by shot blasting to remove rust, oil and grease.

Preparation

Mix and apply MC-DUR 1200 VK M by roller or brush to the application area, if the following system is not to be applied immediately as a wet to wet system, then scatter with 0.7 - 1.2 mm dry, quartz at approx. 0.3 kg/m² to provide a surface key.

Application of

MC-DUR 1200 VK M + Epoxy Filler SK1

All components are pre-weighed for optimum performance and complete units should always be mixed. Empty all of the contents of MC-DUR 1200 VK M Part B into the MC-DUR 1200 VK M Part A container and mix with a slow speed drill and paddle until uniform.

Normally 1 - 2 mins. Transfer mixed liquids to a forced action mixer and slowly add SK1 M filler blend and mix for a further 1- 2 mins until a uniform workable consistency is achieved. The mix ratio can be adjusted between 1 : 6 to 1 : 9, depending on the application, and the performance requirements needed.

The uniform material is then transferred and spread evenly across the primed area, by trowel, screed box or screed bar. Once levelled the screed must then be closed and compacted by steel trowel.

Allow the screed to cure for overnight, providing protection from other trades. Once cured the screed surface requires a sealer application of MC-DUR 1200 VK M mix with Stellmittel TX 19 powder at approximately 1%. Then applied by trowel to leave a smooth and sealed evenly surface.

Cleaning

Cleaning with MC-Cleaning Solvent EP, using brushes and wearing correct safety equipment.

Technical Data for MC-DUR 1200 VK M + Epoxy Filler SK1 (mixing ratio 1:7)

Characteristic	Unit	Value	Comments
Compressive Strength	N/mm ²	60	7 days
Flexural Strength	N/mm ²	33	
Density	kg/dm ³	~2.0	mixed
Coverage	kg/m ² /mm	~2.0	
Curing Time	minutes	~40	at 25°C

Product Characteristics for Epoxy Filler SK1

Component	Powder
Colour	Natural
Delivery	25 kg bag
Storage	To be stored in sealed containers or barrels and protected against high temperatures, water and direct sunlight.
Disposal	In the interest of our environment please empty all packs completely and dispose of in accordance with statutory regulations

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 02/13. 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.