

PRODUCT DATA SHEET

Sikafloor® Emery MY

HEAVY-DUTY, EMERY AGGREGATE DRY SHAKE

DESCRIPTION

Sikafloor® Emery MY is a broadcast applied surface hardener combining graded emery aggregate, cement, plasticizer and special wetting agents providing the most durable finishing. Sikafloor® Emery MY is a ready to use formulation of metallic aggregate for dry shake application and trowel embedment in fresh concrete floor surfaces. Sikafloor® Emery MY is highly recommended for heavy duty industrial surfaces and is blended to be incorporated into the surface of freshly placed concrete providing many more years of durability over non-hardened surfaces.

USES

Sikafloor® Emery MY may only be used by experienced professionals.

Sikafloor® Emery MY applications include:

- Foundries
- Heavy manufacturing
- Metal workshops
- Petrochemical refineries
- Processing plants
- Waste and recycling facilities
- Warehouse
- Hangar , armories and etc

CHARACTERISTICS / ADVANTAGES

- Premixed and ready-to-use
- High hardness
- High impact and abrasion resistant
- Anti-slip finish

PRODUCT INFORMATION

Packaging	25 kg bag
Appearance / Colour	Natural concrete grey powder
Shelf Life	6 months from date of production
Storage Conditions	Store properly in undamaged and unopened, original sealed packaging, in dry conditions at temperatures between +10 °C and +35 °C. Protect from rain, condensation or high humidity.

TECHNICAL INFORMATION

Abrasion Resistance	Weight Loss (H22 / 1000 g / 1000 cycles) ~1.7 g	(ASTM D4060-2014)
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Note: The AbrasionTest was carried out using Taber Abraser Method

APPLICATION INFORMATION

Consumption	Medium duty	5–6 kg/m ²	
	Heavy duty	6–8 kg/m ²	
Important Note: Application rate below 5 kg/m ² would reduce the abrasion resistance correspondingly.			
Applied Product Ready for Use	Foot traffic	Light traffic	Full traffic
	24–48 hours	7–10 days	28 days
	The above values are dependent upon the concrete reaching its design strength for service ability and will be affected by changing ambient conditions, particularly temperature and relative humidity.		

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Concrete mixes should be designed in accordance with ACI recommendations:

Minimum cement content	320 kg/m ²
Water-cement ratio	Max. 0.50 Min. 0.40
Slump	Ideally 75 mm Max. 125 mm
Compressive Strength @ 28 days	Min. 30 N/mm ²

APPLICATION

General

The broadcast of dry shake hardeners can be carried-out by mechanical spreader or by hand. The dry shake is broadcast in two passes, 2/3 the weight in the first pass and 1/3 the weight in the second pass. In the first pass, the dry shake is broadcast onto the concrete before bleeding occurs. Allow the dry shake to absorb the bleed water and wet out until a uniform dark colour is observed. Float the dry shake with a weighted wood bull-float or straight-edge, ensuring the dry shake is embedded and becomes an integral part of the concrete surface. Remove any surface irregularities.

Wait until the concrete surface is sufficiently firm to support the weight of a man leaving only minor indentation (~5 mm) of footprints. Immediately broadcast the remaining 1/3 dry shake at right angles to the first application. If a mechanical spreader is used, the dry shake does not have to be broadcast at right angles to the first application.

After the dry shake has absorbed the surface water and darkened uniformly, finish off the surface with a power float machine equipped with trowel blades or pans, to thoroughly embed the dry shake into the concrete for a smooth finish.

Important note: Do not spray water to wet out the surfaces broadcast with Sikafloor® Emery MY. This will have a detrimental affect to the overall quality of the floor.

For more information, please refer to the Method Statement for Application of Sikafloor® Emery MY.

CURING TREATMENT

Sikafloor® Emery MY surface must be protected to

prevent rapid water loss which may result in surface cracks. Immediately after final trowelling, apply a Sika proprietary curing and sealing agent such as Antisol® A, Antisol® E, Sikafloor® Proseal-22 or Sikafloor® Cure-hard-24 (refer to respective Product Data Sheets for details).

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- The application of the dry shake powder must not be carried out in strong wind or draughts.
- Concrete with gap grading aggregates should be avoided
- The use of air entraining agents, fly ash and slags, should be avoided
- Total air content in the fresh concrete should not exceed 3%.
- Certain admixtures such as calcium chloride and/or admixtures containing calcium chloride or high range water reducing admixtures should not be used in concrete on which hardeners are to be applied.
- Variations in concrete characteristics such as water content and cement quality may lead to slight color variations.
- Every effort must be taken to ensure a consistent application of Sikafloor® Emery MY. Correct timing and trowelling techniques are essential.
- Do not rewet and overwork the floor during application.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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