

## PRODUCT DATA SHEET

# Sikafloor® Level Rapid MY

### FAST HARDENING CEMENTITIOUS, UNDERLAYMENT

#### DESCRIPTION

Sikafloor® Level Rapid MY is a polymer modified, pump-able, self smoothing, fast setting cementitious level screed for interior cementitious underlayment. Sikafloor® Level Rapid MY is used for the levelling and smoothing of interior floors prior to the application of the final floor finish such as carpets, parquet / wood floors, vinyl, etc.

#### USES

Sikafloor® Level Rapid MY is a versatile and durable sub-floor cementitious screed which can be applied manually or by pump to achieve rapid, flat, economic substrate levelling prior to the application of the final floor finish.

Sikafloor® Level Rapid MY is used for surface levelling of new floor or floor renovation, at high rise building, exhibition hall, auditorium, mall, residential, hospitals, factories, manufacturing facilities, etc.

#### CHARACTERISTICS / ADVANTAGES

- Fast application because of the good flow and cohesion of the fresh product
- Good bond and mechanical strengths
- Rapid drying
- 4 hours walk on time at +25 °C
- Capable of levelling surfaces from min. 3 mm to max. 10mm

#### PRODUCT INFORMATION

<b>Composition</b>	Polymer modified rapid hardening cement.	
<b>Packaging</b>	25 kg bag	
<b>Appearance / Colour</b>	Light grey powder	
<b>Shelf Life</b>	3 months from date of production	
<b>Storage Conditions</b>	Store properly in undamaged and unopened, original sealed packaging, in dry conditions.	
<b>Density</b>	Dry	~ 2.03 kg/l at 2 hours
	Wet	~ 2.05 kg/l

---

## TECHNICAL INFORMATION

---

<b>Compressive Strength</b>	≥20 N/mm <sup>2</sup> (28 days)	(ASTM C-109)
<b>Tensile Strength in Flexure</b>	≥ 2 N/mm <sup>2</sup> (28 days)	(EN 196-1)
<b>Tensile Adhesion Strength</b>	≥ 1.5 N/mm <sup>2</sup> (28 days)	(EN 1542)

---

## APPLICATION INFORMATION

---

<b>Mixing Ratio</b>	Water dosage 6 L / 25 kg bag
<b>Consumption</b>	2.0 kg/m <sup>2</sup> per mm thickness The figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.
<b>Layer Thickness</b>	3 mm min. / 10 mm max.
<b>Substrate Pre-Treatment</b>	The surface must be sound, has a sufficiently rough texture, dry and free of all contaminants e.g. dirt, oils, grease, coatings and surface treatments, etc. The concrete substrate must be prepared mechanically using grinding machine, vacuum cleaner, etc. Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed. The concrete substrate must have a sufficient compressive strength (min. 25 N/mm <sup>2</sup> ) with a minimum pull off strength of 1.5 N/mm <sup>2</sup> . New concrete should be at least 14 days old before applying Sikafloor® Level Rapid MY. If in doubt apply a test area first.

---

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

Priming with Sika® Primer-11 WMY is essential to ensure good adhesion and reduce air release from the substrate.

Apply Sika® Primer-11 WMY by brush or roller until the floor is covered. More than one coat of Sika® Primer-11 WMY may be required, depending on the substrate quality. The primed substrate should be of a uniform consistency in tack free condition at the time of applying Sikafloor® Level Rapid MY.

For very smooth e.g. steel trowel finished surfaces, grind surface prior to priming.

### MIXING

Sikafloor® Level Rapid MY should be mixed using a drill and suitable paddle.

To each 25kg bag of Sikafloor® Level Rapid MY, add 6 litres of clean water and mix until a homogenous, self smoothing consistency is achieved.

Always add the powder to the water while mixing slowly to avoid the formation of lumps.

Mix 3 to 5 minutes when mixing individual bags. Excess water in the mix will promote bleeding and segregation, and may result in lower strengths as well as shrinkage cracks.

### APPLICATION

Pour the mixed material onto the primed surface and apply by trowel or pin screed rake to the required finish thickness. Use a spike roller to thoroughly roll in two directions to remove any entrapped air and trowel marks.

### CURING

Sikafloor® Level Rapid MY is a cementitious product, therefore in hot weather; take adequate measures to protect it from exposure to direct sunlight and wind. Do not wet the surface.

Surface cracks may occur due to adverse curing conditions. Avoid over-trowelling, overwatering and control joint configurations.

### 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

- Do not exceed the recommended water dosage
- Do not add more water when the product is starting to set
- Not suitable for slopes > 0.5 %
- Very absorbent substrates must be saturated with water or primed to prevent loss of the mixing water into the substrate, which can cause problems such as shrinkage, the appearance of surface pores or weak and dusty surfaces, etc.
- Sikafloor® Level Rapid MY does not provide an aesthetic finish. Product must always be finished with a top coat
- To be used for interior application only.
- Not suitable for areas exposed to direct sunlight and wind

## 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.

### Sika Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate, 71800 Nilai  
Negeri Sembilan D.K., Malaysia  
Phone: +606-7991762  
Fax: +606-7991980  
e-mail: info@my.sika.com  
Website: www.sika.com.my



Product Data Sheet  
Sikafloor® Level Rapid MY  
May 2019, Version 01.01  
020815030010000150

SikafloorLevelRapidMY-en-MY-(05-2019)-1-1.pdf