

PRODUCT DATA SHEET

Sikafloor®-359 MY M

TWO PART POLYESTER URETHANE BASED COATING WITH MATT FINISHING

DESCRIPTION

Sikafloor®-359 MY M is a two part, coloured, polyester urethane resin based coating with matt finish

USES

Sikafloor®-359 MY M may only be used by experienced professionals.

Coloured coating for concrete, cement screeds, broadcast systems in production areas, warehouses, car park decks, garages, etc.

CHARACTERISTICS / ADVANTAGES

- UV stable
- Matt finish
- Good chemical and mechanical resistance
- Easy application

APPROVALS / STANDARDS

- Certified Green Label product under Singapore Green Building Council (SGBC) - Coating, Certificate No. SGBP 2018-1718

PRODUCT INFORMATION

Chemical Base	Polyester Urethane		
Packaging	Part A	4.5 kg pail	
	Part B	1 kg pail	
	Part A + B	5.5 kg ready-to-mix set	
Appearance / Colour	Part A	Resin	coloured, liquid
	Part B	Hardener	transparent, liquid
<p>Standard color shades RAL 7039, RAL 7032, RAL 1002, RAL 1017, RAL 6010, RAL 3009</p> <p>Available in various colour shades (minimum quantities required for special shades).</p> <p>With light colour shades (e.g. yellow or orange) it may be necessary to apply several coats of Sikafloor®-359 MY M to achieve full opacity (hiding power).</p>			

Shelf Life	12 months from date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +10 °C and +30 °C. Protect from direct sunlight.

SYSTEM INFORMATION

Systems	Roller Coating	
	Primer	1x Sikafloor®-161 HC
	Coating	2x Sikafloor®-359 MY M
	Texture Roller Coating	
	Primer	1x Sikafloor®-161 HC
	Seal coat textured	1–2x Sikafloor®-359 MY M + Extender T

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 4.5 : 1 (by weight)		
Consumption	Roller coating		
	Primer	1x Sikafloor®-161 HC	0.3 – 0.5 kg/m ²
	Coating	2x Sikafloor®-359 MY M	0.15 – 0.2 kg/m ² per layer
	Texture roller coating		
	Primer	1x Sikafloor®-161 HC	0.3 – 0.5 kg/m ²
	Seal coat textured	1-2x Sikafloor®-359 MY M + 2 % Extender T	0.2 – 0.3 kg/m ² per layer
	These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage, etc.		
Ambient Air Temperature	+10 °C min. / +30 °C max.		
Relative Air Humidity	75 % r.h. max., adequate fresh air ventilation must be provided to remove excess moisture during curing		
Dew Point	Beware of condensation! The substrate and uncured floor must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.		
Substrate Temperature	+10 °C min. / +30 °C max.		
Substrate Moisture Content	≤ 4 % pbw moisture content Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).		
Pot Life	~2 hours at +30 °C		
Curing Time	Before applying Sikafloor®-359 MY M on Sikafloor®-161 HC allow:		
	Substrate temperature	Minimum	Maximum
	+20 °C	12 hours	2 days
	+30 °C	6 hours	1 day
	Before applying Sikafloor®-359 MY M on Sikafloor®-359 MY M allow:		
	Substrate temperature	Minimum	Maximum
	+30 °C	12 hours	48 hours
	Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. When relative air humidity is ≥ 75 % the waiting time is increased by at least 24 hours.		

Applied Product Ready for Use

Temperature	Foot traffic	Light traffic	Full cure
+20 °C	~24 hours	~36 hours	~10 days
+25 °C	~22 hours	~34 hours	~7 days
+32 °C	~20 hours	~24 hours	~7 days

Note: Times are approximate and will be affected by changing ambient conditions.

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.

LIMITATIONS

- Do not store/keep Sikafloor®-359 MY M part B, once it is opened as it is highly sensitive to moisture
- Avoid puddles on surface with the primer
- Always ensure adequate fresh air ventilation when using Sikafloor®-359 MY M in confined spaces.
- Highly combustible and contains free isocyanates
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking
- For exact colour matching, ensure the Sikafloor®-359 MY M in each area is applied from the same control batch numbers
- For spray application the use of protective health & safety equipment is mandatory!

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².

The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, surface treatments, etc.

If in doubt apply a test area first.

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.

Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.

The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.

High spots must be removed by grinding.

All dust, loose and friable material must be completely

removed from all surfaces before application of the product, preferably by brush and/or vacuum.

MIXING

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved.

To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimise air entrainment.

Sikafloor®-359 MY M must be thoroughly mixed using a low speed electric stirrer (300–400 rpm) or other suitable equipment.

APPLICATION

Prior to application, confirm substrate moisture content, r.h. and dew point.

If > 4 % pbw moisture content, Sikafloor® EpoCem® may be applied as a T.M.B. (temporary moisture barrier) system.

Primer

Make sure that a continuous, pore free coat covers the substrate. If necessary, apply two priming coats. When used as a primer always apply by brush.

Seal coat

Sikafloor®-359 MY M is spread evenly by means of a short pile roller.

A seamless finish can be achieved if a “wet” edge is maintained during application.

Uneven application of the material and resulting differences in the coating layer thicknesses may cause differences in “matt” of the surface.

CLEANING OF TOOLS

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

MAINTENANCE

CLEANING

To maintain the appearance of the floor after application, all spillages on Sikafloor®-359 MY M must be removed immediately. Regularly clean the floor using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques, etc. using suitable detergents and waxes.

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.

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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