

PRODUCT DATA SHEET

Sikafloor® TC 256

(formerly MSeal TC 256)

2 PART POLYURETHANE UV RESISTANT ELASTOMERIC TRAFFIC COATING

DESCRIPTION

Sikafloor® TC 256 is a two-component, elastomeric, pigmented, non-yellowing, polyurethane coating designed for application as a top coat on traffic deck systems. It has very good chemical, abrasion and UV resistance properties.
Suitable for use in hot and tropical climatic conditions.

USES

Sikafloor® TC 256 may only be used by experienced professionals.
The high abrasion resistance of Sikafloor® TC 256 combined with its elasticity makes it suitable for use in car parks, both indoors and out, in areas such as:

- Pedestrian walk ways
- Light engineering workshops
- Car parks
- Vehicle ramps and traffic aisles

FEATURES

- Excellent impact and abrasion resistance
- Elastomeric
- UV and weather resistant
- Good chemical and oil resistance
- Non-yellowing
- Gloss finish

PRODUCT INFORMATION

Composition	Aliphatic Polyurethan (PU) Resin
Packaging	25 kg units (Part A + Part B)
Shelf life	12 months from date of production
Storage conditions	Store in original unopened packaging in a cool and dry condition between +5°C and +30°C. Protect from direct sunlight, heat and moisture.
Colour	The standard colors are: Basalt Grey, Black Grey, May Green, Oxide Red, Brilliant Blue, Light Grey, Traffic Grey, Reseda Green
Density	Mixed resin: 1.30 - 1.40 g/l (at 25°C), may vary with colour
Solid content by mass	~80 %

TECHNICAL INFORMATION

Tensile strength	≥ 10 N/mm ²	(ASTM D412)
Tensile strain at break	Elongation: ~200 %	(ASTM D412)
Tear strength	≥ 30 kN/m	(ASTM D1004)
Chemical resistance	Resistant to acids and alkalis of medium concentrations, mineral oil products and solvents. Contact your local Sika office for specific details.	

SYSTEM INFORMATION

Systems	Suitable as top seal coat for different flooring base coats. For UV exposed areas the use of Sikafloor® TC 256 as a seal coat is highly recommended. For additional information, please contact Sika's Technical Department.
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APPLICATION INFORMATION

Consumption	From 0.4 - 0.6 kg/m ² , single coat only, depending on the system, surface profile (roughness), exposure and area of application. Note: These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level and wastage, etc..
Ambient air temperature	+5°C min. / +35°C max.
Relative air humidity	80 % max.
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.
Pot Life	~50 min. at 25°C
Curing time	Foot traffic: ~48 hours at 25°C (initial cure) Time is approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity. Refer to PDS of relevant base coat for more information.
Tack free time	~2 hours at 25°C Time is approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

BASIS OF PRODUCT DATA

- All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
- Internal Reference - Version: MBS_CC-UAE/SI_TC256_02_16/v2/10_16/v3/12_19

FURTHER DOCUMENTATION

- Substrate Quality & Preparation:** Refer to Sika Method Statement: "EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS".
- Application Instructions:** Refer to Sika Method Statement: "MIXING & APPLICATION OF FLOORING SYSTEMS".
- System and/or Product Method Statement

IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor® TC 256 must be protected from damp, condensation and water for at least 24 hours.
- Sikafloor® TC 256 applied at different thicknesses can lead to different appearance and finish.
- When applied in exposed areas e.g. on direct sunlight or exposed to high winds, quicker drying may be expected due to fast solvent release, which may lead to reduced working (open) time.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure Sikafloor® TC 256 in each area is applied from the same control batch numbers.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The surface must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by vacuum. Pull off strength shall not be less than 1.5 N/mm². If in doubt apply a test area first.

Suitable primer has to be applied on concrete substrate prior to application of Sikafloor® TC 256. With the addition of Sikafloor® SR 2 or Sikafloor® SR 3 (slip resistant aggregates) between the coats, anti-slip resistant applications can be achieved.

MIXING

Mix full units only. Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix together using a slow speed (400 rpm) drill with a spiral mixing head, continuously for 3 minutes until a uniform mix has been achieved. Work the mixer round the mixing pail to ensure it scrapes the side and bottom of the pail. To ensure thorough mixing pour materials into another container and mix again for 30 seconds to achieve a consistent mix. Over-mixing must be avoided to minimise air entrainment.

APPLICATION

Prior to application, confirm substrate moisture content, relative humidity and dew point. As a seal coat, the product can be applied by roller or squeegee and then back-rolled (crosswise) with a short-piled roller. Apply a single coat or as a multi coat sandwich system incorporating aggregates to give a slip resistant finish. When applying as a top coat or part of a multi coat system, do not exceed the maximum overcoating times of the previous coating.

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CLEANING OF EQUIPMENT

Clean all tools and application equipment with suitable thinner (Xylene / MEK / Acetone), immediately after use. Hardened and/or cured material can only be removed mechanically.

MAINTENANCE INSTRUCTIONS

If a maintenance coat has to be applied, thoroughly wash the existing Sikafloor® TC 256. Allow to dry, then immediately prior to overcoating, wipe the surface with a cloth dampened with a suitable thinner (Xylene / MEK / Acetone).

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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ISO 9001, 14001, 45001 – SGS
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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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