

# PRODUCT DATA SHEET

## Sikafloor®-152

Two-component epoxy multipurpose floor coating

### DESCRIPTION

Sikafloor®-152 is a two-component, multi-purpose, high-dense epoxy floor coating.

### USES

Sikafloor®-152 may only be used by experienced professionals.

TSikafloor®-152 is applied to concrete and cement screeds, as a primer and binder for general to moderate abrasion resistance grounds, such as driving lanes and parking spaces in underground parking lots. Please refer to the construction precautions and restrictions for details.

### FEATURES

- Good chemical and mechanical resistance
- Solvent-free
- Easy application
- Cost-effective

### CERTIFICATES AND TEST REPORTS

Meet to the requirements of GB/T 22374-2018

### PRODUCT INFORMATION

|  |   |                     |                 |
|--|---|---------------------|-----------------|
| <b>Composition</b>                             | Epoxy resin   |                     |                 |
| <b>Packaging</b>                               | Comp. A   | 22.4 kg/pail        |                 |
|  | Comp. B   | 4 kg/pail           |                 |
| <b>Appearance and colour</b>                   | Comp.A  | Off-white, liquid   |                 |
|  | Comp.B  | Transparent, liquid |                 |
| <b>Shelf life</b>                              | 12 months   |                     |                 |
| <b>Storage conditions</b>                      | Stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10°C and +30°C. |                     |                 |
| <b>Density</b>                                 | Comp.A  | ~1.56 kg/L          | GB/T 6750       |
|  | Comp.B  | ~1.02 kg/L          |                 |
|  | Mixture   | ~1.40 kg/L          |                 |
| All density values at +23°C.                   |   |                     |                 |
| <b>Solid content</b>                           | ~ 100% (by volume) / ~ 100% (by weight)   |                     |                 |
| <b>Volatile organic compound (VOC) content</b> | < 60 g/L  |                     | GB/T 22374-2018 |

## TECHNICAL INFORMATION

|                           |   |                 |
|---------------------------|---|-----------------|
| Shore D Hardness          | ~75   | GB/T 22374-2018 |
| Compressive strength      | ≥45 MPa   | GB/T 22374-2018 |
| Tensile adhesion strength | ≥ 2 MPa (failure in concrete)   | GB/T 22374-2018 |
| Chemical resistance       | Resistant to many chemicals. Please ask for a detailed chemical resistance table. |                 |

## APPLICATION INFORMATION

|   |   |                  |   |           |
|---|---|------------------|---|-----------|
| Mixing ratio  | A : B = 84.8 : 15.2 (by weight)   |                  |   |           |
| Consumption   | <b>System</b>   | <b>Product</b>   | <b>Consumption</b>                                    |           |
|   | Primer  | Sikafloor®-152   | ~0.3 kg/m <sup>2</sup>                                |           |
|   | Leveling  | Sikafloor®-152   | 0.25-0.6 kg/m <sup>2</sup> + 20% 505Q quartz sand     |           |
|   | Putty layer   | Sikafloor®-152   | 0.18-0.2 kg/m <sup>2</sup> + 50%quartz sand(200 mesh) |           |
|   | Topcoat   | Topcoats of Sika | Refer to the product data sheet of related products   |           |
| Ambient air temperature   | +10°C min. / +30°C max.   |                  |   |           |
| Relative air humidity   | 80% r.h. max.   |                  |   |           |
| Dew point   | Beware of condensation!<br>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.<br>Test method: Sika®-Tramex meter or CM - measurement.<br>No rising moisture according to ASTM (Polyethylene-sheet).                    |                  |   |           |
| Pot Life  | Temperatures  | Time             |   |           |
|   | +25°C   | 35-55 minutes    |   |           |
| Waiting time to overcoating   | Before applying Sikafloor®-152 on Sikafloor®-152 allow:   |                  |   |           |
|   | Substrate temperature   | Minimum          | Maximum   |           |
|   | +10°C   | 24 hours         | 3 days  |           |
|   | +20°C   | 15 hours         | 2 days  |           |
|   | +30°C   | 10 hours         | 1 day   |           |
| Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. |   |                  |   |           |
| Applied product ready for use   | Temperature   | Foot traffic     | Light traffic   | Full cure |
|   | +10°C   | ~ 30 hours       | ~ 5 days  | ~ 10 days |
|   | +20°C   | ~ 24 hours       | ~ 3 days  | ~ 7 days  |
|   | +30°C   | ~ 16 hours       | ~ 2 days  | ~ 5 days  |
|   | Note: Times are approximate and will be affected by changing ambient condition.   |                  |   |           |

## SYSTEM INFORMATION

## Systems

| System   | Product   |
|----------|---|
| Primer   | 1-2 x Sikafloor®-152(Depending on the base surface)                         |
| Leveling | Sikafloor®-152 + Appropriate amount of quartz sand (Depending on thickness) |
| Topcoat  | Topcoats of Sika  |

## 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.

## IMPORTANT CONSIDERATIONS

- Do not apply Sikafloor®-152 on substrates with rising moisture.
- Freshly applied Sikafloor®-152 should be protected from damp, condensation and water for at least 24 hours.
- Avoid puddles on the surface with the primer.
- Practical trials should be carried out for mortar mixes to assess suitable aggregate grain size distribution.
- For external applications, apply on a falling temperature. If applied during rising temperatures “pin holing” may occur from rising air.
- Construction joints require pre-treatment. Treat as follows:  
Static Cracks: prefill and level with SikaDur® or Sikafloor® epoxy resin.  
Dynamic cracks: to be assessed and if necessary apply a stripe coat of elastomeric material or design as a movement joint.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.

## 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

### EQUIPMENT

Sikafloor®-152 must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

### SUBSTRATE QUALITY / PRE-TREATMENT

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.
- The substrate must be clean, dry and free of all con-

taminants such as dirt, oil, grease, coatings and 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 a profiled open textured surface.
- Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
- Repairs to substrate, filling of blowholes/voids and surface levelling can 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 up in order to achieve an even surface.
- High spots must be removed by e.g. 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 comp A mechanically. When all of comp B has been added to comp A, mix continuously for 3 minutes until a uniform mix has been achieved. When comps A and B have been mixed, add the quartz sand and if required the Extender T and mix for a further 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.

### 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. Apply Sikafloor®-152 by brush, roller or squeegee.
- Levelling mortar:** Rough surfaces need to be levelled first. Apply the levelling mortar by squeegee/trowel to the required thickness.
- Putty layer:** Apply Sikafloor®-152 by brush, roller or squeegee.

### CLEANING OF EQUIPMENT

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

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## 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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