

SYSTEM DATA SHEET

Sikafloor® MultiDur ET-15

TEXTURED UNICOLOUR EPOXY FLOOR COVERING WITH HIGH MECHANICAL RESISTANCE

DESCRIPTION

Sikafloor® MultiDur- ET15 is a textured, coloured epoxy covering with high mechanical resistance for flooring applications

USES

Sikafloor® MultiDur ET-15 may only be used by experienced professionals.

- For concrete and cement screeds with normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages and loading ramps.
- For multi-storey and underground car parks, maintenance hangars and for wet process areas, e.g. beverage and food industry
- For areas, where slip resistance and easy cleanability is required

CHARACTERISTICS / ADVANTAGES

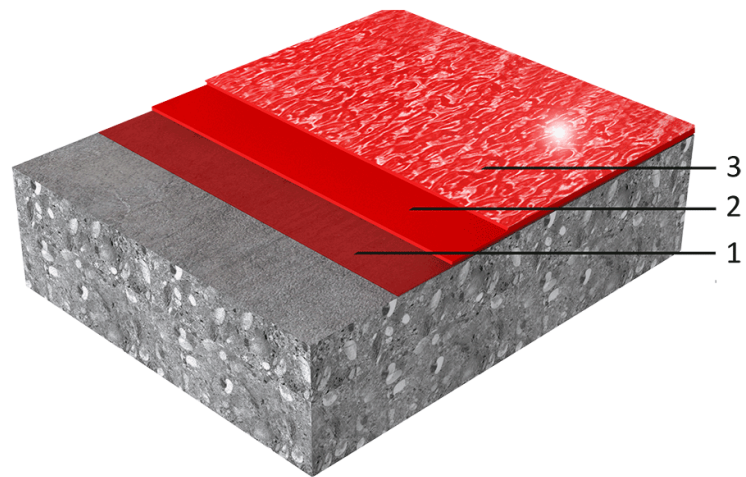
- Good chemical resistance
- High mechanical resistance
- Easy application
- Liquid proof
- Easy cleanability

APPROVALS / STANDARDS

- Reaction to fire classification, according to DIN EN 13501-1 :2010 -01, Test institute MPA Dresden, Report No. 2007-B-0181/15

SYSTEM INFORMATION

System Structure



Sikafloor® MultiDur ET-15 system (~ 2-3 mm)

| | |
|-----------------|--------------------------|
| 1. Primer | Sikafloor®-156/-161/-160 |
| 2. Wearing coat | Sikafloor®-263 SL |
| 3. Top Coat | Sikafloor®-264 Thixo |

| | |
|--------------------------|------------------------------------|
| Chemical base | Epoxy |
| Appearance | Textured, gloss finish |
| Colour | Available in various colour shades |
| Nominal Thickness | ~ 2-3mm |

TECHNICAL INFORMATION

| Reaction to Fire | Bfl-S1 | (DIN EN 13501-1) | | | | | | | | |
|-------------------------------|---|------------------|----------|-----------|--------|---------------------|--------|----------------------|---------|--|
| Chemical Resistance | Please refer to the chemical resistance of Sikafloor®- 264 Thixo | | | | | | | | | |
| Thermal Resistance | <table border="1"> <thead> <tr> <th>Exposure*</th> <th>Dry heat</th> </tr> </thead> <tbody> <tr> <td>Permanent</td> <td>+50 °C</td> </tr> <tr> <td>Short-term max. 7 d</td> <td>+80 °C</td> </tr> <tr> <td>Short-term max. 12 h</td> <td>+100 °C</td> </tr> </tbody> </table> <p>Short-term moist/wet heat* up to +80 °C where exposure is only occasional (i.e. during steam cleaning etc.) *No simultaneous chemical and mechanical exposure.</p> | Exposure* | Dry heat | Permanent | +50 °C | Short-term max. 7 d | +80 °C | Short-term max. 12 h | +100 °C | |
| Exposure* | Dry heat | | | | | | | | | |
| Permanent | +50 °C | | | | | | | | | |
| Short-term max. 7 d | +80 °C | | | | | | | | | |
| Short-term max. 12 h | +100 °C | | | | | | | | | |
| Skid / Slip Resistance | R9 | (DIN 51130) | | | | | | | | |

APPLICATION INFORMATION

| Consumption | Sikafloor® MultiDur ET-15 system (~ 2-3 mm) | | |
|-------------|---|--|--|
| | Coating System | Product | Consumption |
| | Primer | 1 x Sikafloor®-156/-161/-160 | ~0.3-0.5 kg/m ² |
| | Wearing coat | 1 x Sikafloor®- 263 SL filled 1:1 with quartz sand 0.1-0.3mm | ~4 kg/m ² (2 kg/m ² binder + 2 kg/m ² quartz sand) |
| | Top coat | 1-2 x Sikafloor®- 264 Thixo | ~0.5-0.8 kg/m ² per layer |

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|--------------------------------|--|
| Product Temperature | Please refer to the individual Product Data Sheets |
| Ambient Air Temperature | +10 °C min. / +30 °C max. |
| Relative Air Humidity | 80 % r.h. 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. | | | |
| Substrate Temperature | +10 °C min. / +30 °C max. | | | |
| Substrate Moisture Content | When performing application work with Sikafloor® MultiDur ET-15, the substrate moisture content must not exceed 4 % pbw measured by Tramex. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet). | | | |
| Waiting Time / Overcoating | Before applying Sikafloor®-263SL on Sikafloor®-156 /161/160 allow: | | | |
| | Substrate Temperature | Minimum | Maximum | |
| | +10 °C | 24 hours | 3 days | |
| | +20 °C | 12 hours | 2 days | |
| | +30 °C | 8 hours | 1 day | |
| | Before applying Sikafloor®-264 Thixo on Sikafloor®-263SL allow: | | | |
| | Substrate temperature | Minimum | Maximum | |
| | +10 °C | 30 hours | 3 days | |
| | +20 °C | 24 hours | 2 days | |
| | +30 °C | 16 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 | ~72 hours | ~6 days | ~10 days |
| | +20 °C | ~24 hours | ~4 days | ~7 days |
| | +30 °C | ~18 hours | ~2 days | ~5 days |

PRODUCT INFORMATION

| | |
|---------------------------|--|
| Packaging | Please refer to the individual Product Data Sheets |
| Shelf life | Please refer to the individual Product Data Sheets |
| Storage conditions | Please refer to the individual Product Data Sheets |

MAINTENANCE

CLEANING

Please refer to the Method Statement Sikafloor®-Cleaning Regime.

FURTHER DOCUMENTS

- Sika® Method Statement Mixing & Applications of Flooring systems
- Sika® Method Statement Evaluation and Preparation of Surfaces for Flooring systems

LIMITATIONS

- Do not apply on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur ET-15 should be protected from damp, condensation and water for at least 24 hours.
- Always ensure adequate fresh air ventilation when using Sikafloor®-264 Thixo as a top layer in confined spaces to avoid curing problems.
- The "gloss" of the finish can vary with temperature, humidity and the absorbency of the substrate.

- With light colour shades (e.g. yellow or orange) it may be necessary to apply several coats of Sikafloor®-264 Thixo to achieve full opacity (hiding power).
- Under direct sun radiation there may be some discoloration and colour deviation, this has no influence on the function and performance of the coating.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure the Sikafloor®-264 Thixo in each area is applied from the same control batch numbers.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.
- 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.

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. 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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