

SYSTEM DATA SHEET

Sikafloor® MultiDur WB-10 ECC

BROADCAST UNICOLOUR EPOXY FLOOR COVERING OVER EPOXY
HYBRID SCREED

DESCRIPTION

Sikafloor® MultiDur WB-10 ECC is a slip resistant, water dispersed, low VOC / AMC emissions, coloured, epoxy covering over an epoxy hybrid screed.

USES

Sikafloor® MultiDur WB-10 ECC may only be used by experienced professionals.

- As a temporary moisture barrier (TMB) (min. 2mm thick) for production areas, warehouses, car park decks, garages, etc.
- Can be subjected to normal up to medium heavy mechanical and chemical loading.

CHARACTERISTICS / ADVANTAGES

- Low VOC / AMC emissions
- Low particle emissions
- Temporary moisture barrier
- Good chemical and mechanical resistance
- Water vapour permeable
- Water dilutable
- Odourless
- Easy application

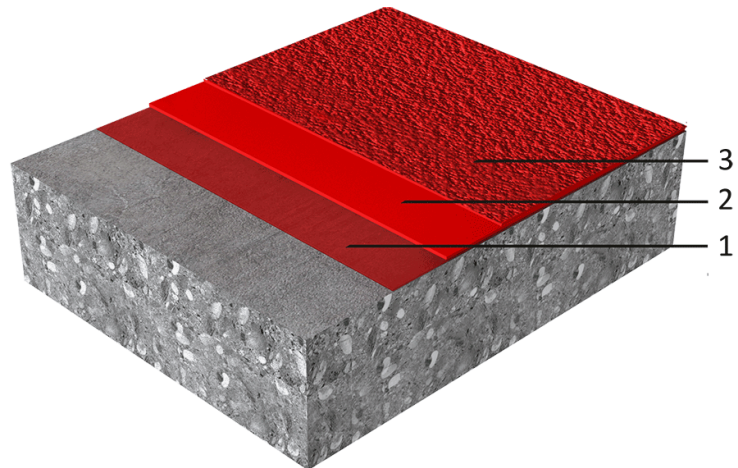
APPROVALS / STANDARDS

- Fire Classification Bfl-S1 in accordance with EN 13501-1, Hoch Institute, Germany, July 2013

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur WB-10 ECC (~2–4 mm)



| | |
|-----------------------------|--|
| 1. Primer | Sikafloor®-155 WN |
| 2. Wearing coat & broadcast | Sikafloor®-81 EpoCem® and broadcast in excess with quartz sand 0.3–0.8mm |
| 3. Top coat | Sikafloor®-2540 W |

| | |
|--------------------------|-------------------------------------|
| Chemical base | Epoxy modified cementitious mortar |
| Appearance | Slip resistant, semi-gloss finish |
| Colour | Available in various colour shades. |
| Nominal Thickness | ~2–4 mm |

TECHNICAL INFORMATION

| | | |
|----------------------------|---|------------------|
| Reaction to Fire | Bfl-s1 | (DIN EN 13501-1) |
| Chemical Resistance | Refer to the chemical resistance of Sikafloor®-2540 W | |

APPLICATION INFORMATION

| Consumption | | | Sikafloor® MultiDur WB-10 ECC (~2–4 mm) | | |
|---------------------|--|--------------------------------------|---|--|--|
| Coating System | Product | Consumption | | | |
| Primer | 1× Sikafloor®-155 WN diluted with 10 % water | ~0.3–0.5 kg/m ² | | | |
| Wearing coat | Sikafloor®-81 EpoCem® | ~2.25 kg/m ² /mm | | | |
| Broadcast in excess | Quartz sand (0.3–0.8mm) | ~4–6 kg/m ² | | | |
| Top coat | 2 × Sikafloor®-2540 W | ~0.4–0.6 kg/m ² per layer | | | |

| | |
|--------------------------------|--|
| Product Temperature | Please refer to the individual Product Data Sheets |
| 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

Can be applied on green or damp concrete, without any standing water. Although the product can be applied onto green concrete surfaces (> 24 hours), it is advised to allow at least 3 days for early shrinkage of concrete to occur in order to prevent concrete shrinkage cracks from appearing on the screed surface.

Waiting Time / Overcoating

Before applying Sikafloor®-2540 W on Sikafloor®-2540 W allow:

| Substrate temperature | Minimum | Maximum |
|-----------------------|----------|---------|
| +10 °C | 48 hours | 7 days |
| +20 °C | 20 hours | 6 days |
| +30 °C | 10 hours | 3 days |

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

If relative air humidity is $\geq 75\%$ the waiting time is increased by at least 24 hours.

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

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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