

SYSTEM DATA SHEET

Sikafloor® PurCem® HS-26 Gloss

GLOSS AND SMOOTH FINISH, POLYURETHANE CEMENT HYBRID FLOORING SYSTEM

PRODUCT DESCRIPTION

Sikafloor® PurCem® HS-26 Gloss is an industrial flooring system based on polyurethane cement hybrid technology and is part of the Sikafloor® PurCem® Gloss system range.

Sikafloor® PurCem® HS-26 Gloss consists of a primer or scratch coat layer and an extremely durable, gloss, scratch resistant and seamless polyurethane hybrid wearing course.

Sikafloor® PurCem® HS-26 Gloss withstands chemical attack, abrasion and impacts. Due its gloss, scratch resistant and impervious surface the flooring is easy to clean, maintain and hygienic.

USES

Sikafloor® PurCem® HS-26 Gloss may only be used by experienced professionals.

- Food and beverage industry
- Workshops
- Storage rooms
- Hangars
- Parking decks
- Kitchens
- Basements
- Laboratories
- Back of house areas

CHARACTERISTICS / ADVANTAGES

- High mechanical resistance
- Good chemical resistance
- Glossy and scratch resistance surface
- Extremely low dirt pick up
- Easy clean and maintain
- Seamless
- Non-tainting, odourless during application
- VOC free and environmental friendly
- Tolerant to moisture in the substrate
- Very good life cycle cost performance

ENVIRONMENTAL INFORMATION

- Conforms to AgBB (2012) for use in indoor environment. Test report No. 392-2014-00156701C. Eurofins Product Testing.

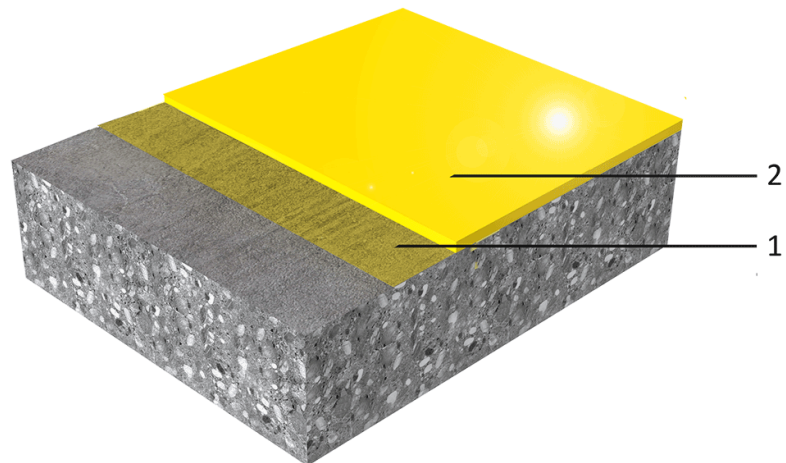
APPROVALS / STANDARDS

- Declaration of CE conformity according to requirements of EN 13813:2002, Declaration of Performance and provided with the CE marking
- Certificate of Compliance to be used safely as a floor coating in food sector. Short term contact of the coating with the foodstuff is safe as far as any hygienic regulations are not violated. Report No. 39438U15. ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH.
- Taint potential, Report No. S/REP/134217/2 Campden BRI (Chipping Campden) Ltd.
- Clean Room Suitable Material (Riboflavin test). Test report SI 1501-752, Sikafloor® -260 PurCem®. Fraunhofer Institute for Manufacturing and Engineering and Automation IPA.
- Fire classification report according to EN 13501-1:2007 + A1:2010. Test report No. 15/9284-338 Parte 1. Applus LGAI.

SYSTEM INFORMATION

System Structure

Sikafloor® PurCem® HS-26 Gloss



| Layer | Product | Consumption |
|-----------------|--|----------------------------|
| 1. Scratch coat | Sikafloor®-21 PurCem® or Sikafloor®-210 PurCem® or Sikafloor®-260 PurCem® | ~1–2 kg/m ² |
| 2. Wear coat | Sikafloor®-260 PurCem® | ~1.8 kg/m ² /mm |

Consumptions are theoretical and do not include any wastage, additional material need due to porosity, substrate profile etc.
As an optional build up the primers Sikafloor®-155 W/-156/-161 + quartz sand 0.4–0.8 mm fully blinded broadcast, followed by the Sikafloor®-260 PurCem® (scratch coat) can be used. Please refer to the individual Product Data Sheet.

| | |
|--|--|
| Chemical base | Water-based polyurethane cement hybrid |
| Appearance | Smooth, gloss finish |
| Colour | Beige, Dusty Grey, Grass Green, Maize Yellow, Night Blue, Oxide Red, Pebble Grey, Tele Grey 2 |
| Nominal Thickness | ~2–3 mm |
| Volatile organic compound (VOC) content | Very low content of Volatile Organic Compounds. It fulfils the stringent demands for indoor air quality and low VOC emitting products AFFSET, M1 Gold, AgBB, EMICODE and A+. |

TECHNICAL INFORMATION

| Shore D Hardness | ~80 | (ASTM D 2240) | | | | | | |
|-------------------------------------|--|---------------|--------------------|-------|-----------------|-------|------------------|--|
| Resistance to Wearing | AR0.5 | (EN 13892-4) | | | | | | |
| Resistance to Impact | Class II (>10 N/mm ²) | (ISO 6272) | | | | | | |
| Tensile Adhesion Strength | > 2.0 N/mm ² | (EN 1542) | | | | | | |
| Reaction to Fire | Bfl-s1 | (EN 13501-1) | | | | | | |
| Chemical Resistance | Please refer to Sikafloor® PurCem® Gloss chemical resistance guide. Contact Sika technical service for specific information. | | | | | | | |
| Thermal Resistance | <table border="1"> <thead> <tr> <th>Thickness</th> <th>Thermal Resistance</th> </tr> </thead> <tbody> <tr> <td>~2 mm</td> <td>-5 °C to +60 °C</td> </tr> <tr> <td>~3 mm</td> <td>-10 °C to +60 °C</td> </tr> </tbody> </table> | Thickness | Thermal Resistance | ~2 mm | -5 °C to +60 °C | ~3 mm | -10 °C to +60 °C | |
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| ~2 mm | -5 °C to +60 °C | | | | | | | |
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| Permeability to Water Vapour | Class II | (EN 1504-2) | | | | | | |

APPLICATION INFORMATION

| | | | |
|--------------------------------------|---|---------------------|----------------------|
| Product Temperature | +10 °C min / +35 °C max | | |
| Ambient Air Temperature | +10 °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 other disturbance of the surface on the floor finish. | | |
| Substrate Temperature | +10 °C min / +35 °C max | | |
| Substrate Moisture Content | Sikafloor® PurCem® HS-26 Gloss can be installed on substrates with higher moisture content. The substrate needs to be visibly dry and have an adequate pull-off strength min 1.5 N/mm ² . No ponding water. Check for rising moisture. | | |
| Applied Product Ready for Use | Temperature | Foot traffic | Light traffic |
| | +10 °C | ~40 hours | ~48 hours |
| | +20 °C | ~22 hours | ~26 hours |
| | +30 °C | ~18 hours | ~22 hours |
| | | | Full cure |
| | | | ~7 days |
| | | | ~3 days |
| | | | ~2 days |

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

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 Sikafloor® Cleaning Regime.

FURTHER DOCUMENTS

- Sikafloor® PurCem® Gloss Information Manual
- Sika® Information Manual Mixing and Application of Flooring Systems
- Sika® Information Manual Surface Evaluation & Preparation
- Sikafloor® PurCem® Product Data Sheets

LIMITATIONS

- Do not apply to PCC (polymer modified cement mortars) that may expand due to moisture when sealed with an impervious resin.
- Always ensure good ventilation when using Sikafloor® PurCem® products in a confined space, to prevent excessive ambient humidity.
- Freshly applied Sikafloor® PurCem® products, must be protected from damp, condensation and direct water contact (rain) for at least 24 hours.
- Protect the substrate during application from condensation from pipes or any overhead leaks.
- Do not apply to cracked or unsound substrates.
- Always allow a minimum of 48 hours after product application prior to placing into service in proximity

with food stuffs.

- Products of the Sikafloor® PurCem® range are subject to discolouration when exposed to UV radiation. Depending on colour there are no measurable losses of any properties when this occurs, and it is a purely aesthetic matter.
- Products can be used outside provided the change in appearance is acceptable for the customer.
- In some slow curing conditions, soiling of the surface may occur when opened to foot traffic, even though mechanical properties have been achieved. It is advised to remove dirt using a dry mop or cloth.
- Avoid scrubbing with water for the first three days.

VALUE BASE

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, stor-

age 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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