



**industrial and decorative flooring**  
**coatings for concrete and steel**  
**Wearing courses for bridge decks and other constructions**

**HIM Products B.V.** [www.him.nl](http://www.him.nl)  
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# HIM SL2000

Self levelling epoxy floor with a thickness of 2 mm

<b>Uses</b>
HIM SL2000 has been designed for use as a seamless, decorative self-levelling floor. The floor is liquid-tight, resistant to a wide range of chemicals and easy to clean. Typical areas of use include production areas and foot paths in the food industry, electronic industry and chemical industry and for warehouses, laboratories, showrooms and schools.
<b>Product description</b>
HIM SL2000 is a cold-curing two-component resin based floor, consisting of blended epoxy resins, curing agents and graded inert aggregates. HIM SL2000 is supplied in 2 components, ready to use. HIM SL2000 is supplied in a wide range of RAL- and NCS-colors. HIM SL2000 can also be applied as a "betonlook" floor or scattered with flakes. For a thickness > 2 mm additional Geba sand may be added.
<b>Advantages</b>
<ul style="list-style-type: none"> <li>▼ Hygienic – seamless floor</li> <li>▼ Fast application – minimal disturbance</li> <li>▼ Solvent free – no odor or smell during application</li> <li>▼ aesthetical appearance</li> <li>▼ non taint- can be applied in close proximity to food</li> <li>▼ chemical resistance – good resistance to a wide range of chemicals</li> <li>▼ durable – good wear resistance</li> </ul>
<b>Maintenance</b>
The service life of a floor can be considerably extended by good housekeeping. Regular cleaning may be carried out using a rotary scrubbing machine with a water miscible cleaning agent at temperatures up to 50°C. During the first 7 days the floor should not be cleaned with a water based cleaning agent.
<b>Flooring system</b>
<ul style="list-style-type: none"> <li>• 1 coat of HIM Primer</li> <li>• 1 coat of HIM SL2000</li> <li>• 1 or 2 coats of HIM FC130, HIM FC215 or HIM FC240 (optional)</li> </ul>

Technical data *)	HIM SL2000
<b>Mixing ratio base + hardener</b>	22,25 kg + 2,75 kg
<b>Specific gravity (mixed)</b>	App. 1,7
<b>Volume of solids (mixed)</b>	100%
<b>Temperature resistance</b>	up to 80°C in air
<b>Pot life at 20°C</b>	Max. 60 minutes
<b>Curing at 20°C</b>	Foot traffic after 24 hours, vehicular traffic after 48 hours, fully cured after 7 days
<b>Material Consumption (Theor.)</b>	3,4 kg/m <sup>2</sup> for a coat thickness of 2 mm
<b>Gloss Gardner 60°</b>	> 70 GU
<b>Chemical resistance</b>	the cured product is resistant to petrol, oils and fats, detergents, some aliphatic hydrocarbons and diluted alkalis. For further information on chemical resistance please contact HIM
<b>Compressive strength</b>	> 90 MPa
<b>Flexural strength</b>	37 MPa
<b>Impact resistance</b>	4 kg/mm <sup>2</sup>
<b>Abrasion resistance (Taber) (CS17/1000/1kg)</b>	20 mg
<b>Fire rating (Euroclass)</b>	B <sub>fl</sub> S <sub>1</sub>

\*) For detailed information contact HIM.



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<b>Temperature limitations</b>
HIM SL2000 shall not be applied at temperatures below 5°C, nor at a substrate temperature which is lower than the dew point temperature plus 3°C. The maximum application temperature is 35°C.
<b>Surface preparation</b>
It is essential to thoroughly prepare the floor surface in order to achieve a sound, clean and dry substrate. It may be necessary to level the floor before applying HIM SL2000. For concrete light grit-blasting is recommended.
<b>Limitations</b>
New concrete floors should be at least 28 days old and contain less than 5% moisture. With non-self-supporting concrete floors transfer of moisture from the soil might occur, resulting in adhesion failures of the flooring system. In order to judge the suitability of a substrate beforehand : apply the rubber mat test. If the existing substrate is showing cracks or movement, this may show in the new applied layer. In case the water contents in the floor is between 5% and 8% (CM method) or in case of vapor pressure, HIM Primer 36 (a water tolerant primer) should be used.
<b>Primer</b>
Apply the HIM Primer on the prepared substrate. Mix both components of the primer till a homogeneous mixture is obtained. The Primer should be applied immediately with a roller or brush in a thin continuous film. Care should be taken to avoid over application or puddles. If the existing floor is very porous a second coat may be necessary. Alternatively a scraping layer may be used.
<b>Mixing</b>
Proper mixing of the components is essential. Add the hardener to the base component and mix well for 3 minutes. It is recommended to pour the mix into a clean tin and mix again before applying the material. Unmixed material may result in soft spots and/or differences in color and gloss. Do not add solvent!
<b>Application</b>
When mixed, HIM SL2000 should be applied immediately on to the primed surface. Use a steel trowel or tooth trowel to obtain the desired coat thickness. We recommend spike rolling after 15-25 minutes (before 30 minutes!) to remove entrapped air.
<b>Material consumption (theoretical)</b>
3,4 kg/m <sup>2</sup> for a coat thickness of 2 mm
<b>Finish</b>
HIM SL2000 may be finished with 1 or 2 coats of a HIM finish coat, such as HIM FC130, HIM FC215 or HIM FC240.
<b>Joints</b>
Dilatation joints in the substrate must be repeated in HIM SL2000.
<b>Safety precautions</b>
Some of the components mentioned in this product information sheet, may be classified as irritant, flammable or corrosive. Material Safety Data Sheets, available for each component, must therefore be fully consulted in order to make sure relevant care is taken.
<b>Tool cleaning</b>
HIM SL2000 should be removed from tools and equipment with HIM Solvent 102 immediately after use.
<b>Shelf life</b>
HIM SL2000 has a shelf life of 12 months if kept in a dry, cool store in the original, unopened packs.
<b>Disposal</b>
Disposal of spillage or empty packaging should be in accordance with local waste disposal regulations. For further information refer to the Material Safety Data Sheet.
<b>Pack size</b>
HIM SL2000 is supplied in sets of 25 kg. For large projects base and hardener may be supplied in 200 liter drums.
<b>Flash points</b>
HIM SL2000 base > 150°C HIM SL2000 hardener > 100°C For primer, finish and solvent see the relevant technical datasheet.