



HIM SL PU D60

Flow applied, elastomeric, polyurethane based floor topping

Uses
HIM SL PU D60 provides a seamless, smooth, semi-flexible floor. Typical areas of use include public areas, hospitals, offices, museums, schools, laboratories and showrooms.
Product description
HIM SL PU D60 is a two-component elastomeric based on polyurethane. HIM SL PU D60 is supplied in 2 pre-weighed components and is ready for use. The result after curing is a 2-3 mm thick floor topping with a smooth, light reflective service.
Advantages
<ul style="list-style-type: none"> ▼ Hygienic – provides a dense, impervious seamless floor surface which is easily cleaned ▼ Fast and easy application – minimises downtime ▼ Solvent free – no odor or smell during application ▼ Decorative – available in a wide range of colors ▼ Durable – good abrasion resistance
Colors
HIM SL PU D60 can be supplied in a wide range of RAL- and NCS-colors.
Maintenance
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.
Flooring system
<ul style="list-style-type: none"> • 1 coat of HIM Primer or scraping layer • 1 coat of HIM SL PU D60 • 1 or 2 coats of pigmented HIM FC215 or HIM FC240 <p>Attention: HIM SL PU D60 is yellowing and is not suitable to be finished with a clear finish coat. HIM is also supplying HIM SL PU-UV, a UV-resistant elastomeric, polyurethane based floor topping.</p>

Technical data *)	HIM SL PU D60
Mixing ratio base + hardener	21,5 kg + 3,5 kg
Specific gravity (mixed)	App. 1,5
Volume of solids (mixed)	100%
Viscosity at 23°C (mixed)	App. 2800 mPas
Pot life at 23°C	40 minutes
Curing at 23°C	Foot traffic after 16 hours, vehicular traffic after 72 hours, fully cured after 7 days
Material Consumption (Theor.)	3,0 kg/m ² for a coat thickness of 2 mm
Shore D hardness	App. 60
Chemical resistance	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
Adhesion (EN4624, 23°C)	> 1,5 MPa on concrete after 14 days
Elongation at break	App. 80% after 8 days
Impact resistance	IR 4
Abrasion resistance (Taber) (H22/1000/1kg)	250 mg
Fire rating (Euroclass)	C _{fl} S ₁

*) For detailed information contact HIM.



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

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Temperature limitations
HIM SL PU D60 shall not be applied at temperatures below 10°C, nor at a substrate temperature which is lower than the dew point temperature plus 3°C. The maximum application temperature is 30°C. Maximum relative humidity 80%.
Surface preparation
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 SL PU D60. For concrete light grit-blasting is recommended.
Limitations
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.
Primer
Apply a HIM Primer or scraping layer on the prepared substrate.
Mixing
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!
Application
When mixed, HIM SL PU D60 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. A finish coat may be applied after 16-20 hours, depending on conditions on site and substrate temperature.
Material consumption (theoretical)
3,0 kg/m ² for a coat thickness of 2 mm
Finish
HIM SL PU D60 may be finished with 1 or 2 coats of a pigmented HIM finish coat, such as HIM FC215 or HIM FC240.
Joints
Dilatation joints in the substrate must be repeated in HIM SL PU D60.
Safety precautions
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.
Tool cleaning
HIM SL PU D60 should be removed from tools and equipment with HIM Solvent 102 immediately after use.
Shelf life
HIM SL PU D60 has a shelf life of 6 months if kept in a dry, cool store in the original, unopened packs.
Disposal
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.
Pack size
HIM SL PU D60 is supplied in sets of 25 kg.
Flash points
HIM SL PU D60 base > 100°C HIM SL PU D60 hardener > 100°C For primer, finish and solvent see the relevant technical datasheet.