



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

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HIM Scraping layers

HIM RAG-N1

HIM SL1000

Uses
HIM RAG-N1 and HIM SL1000 are used as a primer/scraping layer for epoxy and polyurethane floors.
Product description
HIM RAG-N1 and HIM SL1000 consist of a mixture of selected epoxy resins, amine hardeners and graded inert aggregates. HIM RAG-N1 and HIM SL1000 are supplied as three component products, pre-weighed for on site mixing.
Advantages
<ul style="list-style-type: none">▼ chemisch resistant – good resistance to a wide range of chemicals▼ solvent free – no smell or taste during application▼ free of nonylphenol▼ fast curing (HIM RAG-N1)

Technical data*	HIM RAG-N1	HIM SL1000
Mix ratio base : hardener : filler	18,4 : 8,2 : 20	15,4 : 11,2 : 20
Specific gravity (mixed)	app. 1,6	app. 1,6
Volume of solids (mixed)	100%	100%
Pot life at 20°C	20 minutes	40 minutes
Curing at 20°C	can be over-coated after 16 hours, vehicular traffic after 48 hours, fully cured after 7 days	can be over-coated after 16 hours, vehicular traffic after 48 hours, fully cured after 7 days
Chemical resistance	the cured HIM RAG-N1 is resistant to petrol, mineral oils and fats, detergents, diluted mineral acids and alkalis and a number of hydrocarbons.	the cured HIM SL1000 is resistant to petrol, mineral oils and fats, detergents, diluted mineral acids and alkalis and a number of hydrocarbons.
Temperature resistance	Up to 80°C in air	Up to 80°C in air

*) For further information please contact HIM.



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Temperature limitations
HIM RAG-N1 and HIM SL1000 should 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 35°C. The maximum relative humidity is 80%.
Surface preparation
It is essential to thoroughly prepare the floor surface in order to achieve a sound, clean and dry substrate, preferably by blasting. <i>Concrete substrates:</i> grit blasting, milling, or a combination of these techniques. The substrate needs to be levelled before applying the flooring system. <i>Sand/cement screed :</i> mild grinding with proper tools. <i>HIM RAG-N1 en HIM SL1000 are used to level the substrate before applying a self levelling Floor.</i>
Limitations
New cement based floors should be at least 28 days old and give a hygrometer reading not exceeding 5% (Protimeter). The concrete substrate should have a compressive strength of minimal 25 MPa and must be pre-treated properly to achieve the required adhesion. Vapour pressure may result in de-bonding of the finishing coat. It is essential to carry out the "rubber mat" test. Cracks or movement in the substrate, may re-appear in the finish coat. Existing dilations should be repeated in the finish coat.
Primer
No primer required.
Mixing
Proper mixing of the components is essential. Add the hardener to the base component and mix well. Add the aggregate filler and mix all components for another 3 minutes till a homogeneous mixture is obtained. Pour the mixed material into an empty container, clean out the emptied container and mix for another 1 minute. Do not add solvents!! It is important that all components are intermixed thoroughly with a forced-action mixer or an approved spiral paddle in a slow speed heavy-duty drill so that no traces of the components remain unmixed.
Material consumption (theor.)
1,6 kg per m ² per mm thickness.
Application
Immediately after mixing, the material should be poured to the primed surface and spread in the right coat thickness with a steel trowel. The scraping layer will then flow to an even dense, impervious floor topping.
Pot life at 20°C
HIM RAG-N1: app. 20 minuten HIM SL1000: app. 40 minuten
Curing at 20°C
HIM RAG-N1: foot traffic after 16 hours, vehicular traffic after 48 hours, fully cured after 7 days. Over-coatable after 16 hours. HIM SL1000: foot traffic after 24 hours, vehicular traffic after 48 hours, fully cured after 7 days. Over-coatable after 24 hours.
Tool cleaning
HIM RAG-N1 and HIM SL1000 can be removed from tools and equipment with HIM Solvent 102. The cured product can only be removed mechanically.
Shelf life
Alle componenten zijn minimaal 12 maanden houdbaar bij opslag in een droge, koele ruimte in ongeopende verpakking.
Safety precautions
All components have a shelf life of 12 months if kept in a dry store in the original, unopened packs.
Pack size
HIM RAG-N1 en HIM SL1000 are supplied in sets of 46,6 kg. For large areas base and hardener may be supplied in barrels.
Flash points
HIM RAG-N1 base > 150°C HIM RAG-N1 hardener > 100°C HIM SL1000 base > 150°C HIM SL1000 hardener > 100°C HIM Solvent 102 32°C
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.