



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

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HIM FW

Water dispersed epoxy floor and wall coating

Uses
HIM FW provides a coloured, satin floor- and wall coating. The coating is waterproof, resistant to a wide range of chemicals and easy to clean. Typical areas of use include warehouses, garages, kitchens, food industry, pharmaceutical industry and other areas with light vehicular traffic.
Product description
HIM FW is a water dispersible, two component epoxy coating. The product is designed to form a pigmented, satin seal for concrete and other substrates.
Advantages
<ul style="list-style-type: none"> ▼ hygienic, provides a seamless floor surface which is easily cleaned ▼ excellent resistance to a wide range of chemicals ▼ non slip ▼ can be used on floors and walls ▼ durable – good abrasion resistance ▼ attractive – available in a wide range of RAL colours ▼ water dispersed, safe in use, low odour ▼ high UV-resistance
Colors
HIM FW 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
2 or 3 coats of HIM FW

Technical data *)	HIM FW
Mixing ratio base : hardener (w/w)	33 : 67
Specific gravity (mixed)	App. 1,22
Volume of solids	App. 47%
Pot life at 20°C	App. 2 hours
Curing at 20°C	Tack free after 3-4 hours, light traffic after 24 hours, recoatable after 24 hours, but within 7 days. Fully cured after 7 days
Material consumption (theor.)	0,10 l/m ² per coat, depending on substrate and preparation
Chemical resistance	The cured coat of HIM FW is resistant to petrol, mineral oils and fat, detergents, diluted minerals acids and alkalis and a number of hydrocarbons. Consult HIM Products B.V. for detailed information.
Abrasion resistance (Taber CS10/1 kg/1000)	22 mg

* For detailed information consult HIM



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Temperature limitations
HIM FW should 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. 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. Because HIM FW is a relatively thin coating, the substrate must be fine textured. Any surface irregularities may show through causing excessive wear on high spots and changing the perceived colour of the coating. Concrete substrates : a sound, clean substrate is essential to achieve maximum adhesion. Epoxy screeds : HIM FW may be applied to HIM epoxy resin screeds. Asphalt floors : HIM FW can be applied to asphalt floors provided they are at least 6 months old.
Limitations
New cement based floors should be at least 28 days old and give a hygrometer reading not exceeding 5% (Protimeter). 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 is required.
Mixing
Good mixing of the components is essential. Add the base component to the hardener component and mix well for at least 3 minutes. For one area use packs with the same batch numbers to avoid small differences in colour and gloss.
Thinning
After mixing base and hardener HIM FW is ready for use. However when temperature is high or substrate is porous, a maximum of 5% water may be added.
Material consumption
0,10 l/m ² per coat, depending on substrate and preparation
Application
The mixed HIM FW should be applied to the prepared surface using a brush or lamb wool roller. Ensure that the area is completely coated and that 'ponding' of the material does not occur since water may be trapped within the product, thus preventing complete cure. The second coat may be applied as soon as the first coat has initially dried (typically 16 hours). The time will be dependent on the type of surface and the ambient conditions. Good drying conditions are required to allow complete evaporation of the water as the resin cures. Adequate ventilation and air movement is necessary.
Pot life at 20°C
Max. 2 hours
Curing at 20°C
Tack free after 3-4 hours, light traffic after 24 hours, recoatable after 16 hours, but within 7 days. Fully cured after 7 days
Safety precautions
Before use always consult the Material Safety Data Sheet for more information and the correct precautions.
Tool cleaning
HIM FW can be removed from tools and equipment with water and/or HIM Solvent 102.
Shelf life
HIM FW has a shelf life of 12 months if kept in a dry store in the original, unopened packs. Minimum storage temperature is 5°C. Ideal storage temperature is between 15°C and 25°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.
Pack size
HIM FW is supplied in sets of 10 liters.
Flash points
HIM FW base > 100°C HIM FW hardener > 100°C HIM Solvent 102 32°C