



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

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HIM FC130

Water dispersed epoxy floor and wall coating

Uses
HIM FC130 has been designed for use as a dust-proof easily cleaned surface which is resistant to most oils and chemicals. Typical areas of use include warehouses, garages, light industrial and food processing areas, kitchens and other areas of pedestrian and light vehicular traffic.
Product description
HIM FC130 is a water dispersed, two component epoxy floor coating. After curing the product forms a pigmented, mat to satin coat for concrete and other substrates.
Advantages
<ul style="list-style-type: none"> ▼ hygienic, provides a seamless floor surface which is easily cleaned ▼ chemical resistant - good resistant to a wide range of chemicals ▼ non slip and easy to clean ▼ durable – good abrasion resistance ▼ attractive – available in a wide range of RAL colours ▼ water dispersed, safe in use, low odour ▼
Colors
HIM FC130 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 FC130

Technical data *)	HIM FC130
Mixing ratio base : hardener	(w/w) 19 : 81 (v/v) 21 : 79
Specific gravity (mixed)	App. 1,24
Volume of solids	App. 50%
Pot life at 20°C	App. 45 minutes
Curing at 20°C	Tack free after 3-4 hours, light traffic after 24 hours, re-coatable after 16 hours, but within 7 days. Fully cured after 7 days
Material consumption (theor.)	0,15 l/m ² per coat, depending on substrate and preparation
Chemical resistance	The cured coat of HIM FC130 is resistant to petrol, mineral oils and fat, detergents, diluted minerals acids and alkalis and a number of hydrocarbons
Abrasion resistance (Taber CS10/1 kg/1000)	23 mg

* For detailed information consult HIM



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Temperature limitations
HIM FC130 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 FC130 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 FC130 may be applied to HIM epoxy resin screeds. Asphalt floors : HIM FC130 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. The use of a heavy duty slow speed drill fitted with a mixing paddle is desirable. For one area use tins with the same batch numbers to avoid small differences in colour and gloss.
Thinning
After mixing base and hardener HIM FC130 is ready for use. However when temperature is high or substrate is porous, a maximum of 5% water may be added.
Material consumption
0,15 l/m ² per coat, depending on substrate and preparation.
Application
The mixed HIM FC130 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
App. 45 minutes
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 FC130 can be removed from tools and equipment with water and/or HIM Solvent 102.
Shelf life
HIM FC130 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 FC130 is supplied in sets of 5 liters and 15 liters.
Flash points
HIM FC130 base > 100°C HIM FC130 hardener > 100°C HIM Solvent 102 32°C