



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

HIM Products B.V. www.him.nl
 Maxwellstraat 2 tel. 0251 276 300
 1976 AD IJmuiden info@him.nl

HIM FC230

Water dispersed polyurethane floor finish

Uses
HIM FC230 has been designed for use as a mat or satin finish coat for different kinds of HIM resin floors, such as trowel floors, self levelling floors or multilayer floors. It provides an impervious and easy to clean surface, which is resistant to water and a range of chemicals. HIM FC230 improves the scratch and UV-resistance. Because of the water based formulation, HIM FC230 can be used in closed areas and in the food processing industry. 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 FC230 is a two-component water dispersed polyurethane floor coating. The cured product forms a transparent, mat or satin finish for resin floors. HIM FC230 is recommended as a protective coat for the flooring systems HIM SL Flex, HIM SL2000, Hiimfloor ML and HIM DS.
Advantages
<ul style="list-style-type: none"> ▽ hygienic - provides a seamless floor surface which is easily cleaned ▽ chemical resistant - good resistance to a range of chemicals ▽ durable - very good resistance to abrasion and scratches ▽ water dispersed - safe in use, low odour ▽ protects under laying system against discoloration by U.V.
Colors
HIM FC230 is transparent and colourless.
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 and HIM Cleaner. We advise not to clean the floor for the first time before 7 days curing at 20°C. Consult HIM Cleaning Advice before cleaning the floor.
Flooring system
1-2 coats of HIM FC230 as a finish for epoxy or polyurethane floors.

Technical data *)	HIM FC230	
Mixing ratio base : hardener w/w)	77 : 23 (matt)	74 : 26 (satin)
Specific gravity (mixed)	App. 1,1	
Volume of solids (w/w)	App. 50% (matt)	App. 55% (satin)
Volume of solids (v/v)	App. 46% (matt)	App. 52% (satin)
Pot life at 20°C	App. 60 minutes	
Curing at 20°C	Light foot traffic after approx. 24 hours, recoatable after 1 day, within 2 days. (If the second coat is applied after more than 2 days, degreasing and light grinding is advised) Fully cured after 7 days.	
Material consumption (theor.)	0,11 l/m ² per coat, depending on substrate and preparation	
Chemical resistance	the cured coating is resistant to mineral oils and fats, Skydroll, a wide range of diluted cleaning agents, ammonia, bleach, red wine, liquor, diluted acids such as phosphoric acid, hydrochloric acid, sulphuric acid, acetic and citric acid	
Abrasion resistance (Taber CS10/1 kg/1000)	45 mg (matt)	43 mg (satin)

* For detailed information consult HIM



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

HIM Products B.V. www.him.nl
Maxwellstraat 2 tel. 0251 276 300
1976 AD IJmuiden info@him.nl

Temperature limitations
HIM FC230 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 35°C. The maximum relative humidity is 70%.
Surface preparation
Old epoxy/polyurethane floors must be dry, clean and in good condition. The floor should be degreased, followed by light grinding and removal of the resulting dust. Scratches in the substrate might remain visible because of the limited thickness and transparency of the coating. HIM FC230 is suitable as a protective coat for systems like HIM SL, ML and DS. If the system is clean and not older than 7 days, no pre-treatment is required. Older layers have to be degreased and mildly grinded.
Primer
No primer is required.
Mixing
Proper mixing of the components is essential. Homogenise the base, add the hardener component and mix for at least 3 minutes. The use of a heavy duty slow speed drill fitted with a mixing paddle is desirable. Insufficient mixing may result in poor performance and different aspect of the coating.
Thinning
HIM FC230 should not be diluted.
Material consumption
0,11 l/m ² per coat, depending on substrate and preparation
Application
The mixed HIM FC230 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. 60 minutes
Curing at 20°C
Light foot traffic after approx. 24 hours, recoatable after 1 day, within 2 days. (If the second coat is applied after more than 2 days, degreasing and light grinding is advised) 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 FC230 can be removed from tools and equipment with water and/or HIM Solvent 102.
Shelf life
HIM FC230 has a shelf life of 6 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 FC230 is supplied in sets of 4,5 liters.
Flash points
HIM FC230 base > 100°C HIM FC230 hardener > 100°C HIM Solvent 102 32°C