



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

HIM Products B.V. www.him.nl
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HIM FC240

Waterbased floor finish based on polyacrylate and polyisocyanate resins

Uses
HIM FC240 has been designed for use as durable abrasion resistant finish for HIM epoxy or polyurethane based floors. HIM FC240 has an excellent resistance against UV-radiation.
Product description
HIM FC240 is a durable hard-wearing floor finish based on polyacrylate and polyisocyanate resins. HIM FC240 protects the underlying floor against UV-radiation. HIM FC240 is supplied in 2 components and is available in a wide range of RAL- and NCS-colors as well as a clear matt and clear satin version. HIM FC240 can also be made antislip.
Advantages
<ul style="list-style-type: none"> ▼ Hygienic – seamless floor which is easy to clean ▼ Solvent free – no odor or taste during application ▼ Durable - good resistance to abrasion ▼ Chemical resistant - good resistance to a wide range of chemicals ▼ Attractive - available in a wide range of RAL colours ▼ Easy to clean ▼ Protects against U.V.
Colors
HIM FC240 can be supplied in a wide range of RAL and NCS colors and is also available in a clear mat version.
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
1 - 2 coats of HIM FC240 as a finish for epoxy and polyurethane floors.

Technical data *)	HIM FC240 pigmented	HIM FC240 Clear Mat
Mix ratio base : hardener (w/w)	85 : 15	83,4 : 16,6
Specific gravity (mixed)	1,08 – 1,16 (differs per color)	App. 1,0
Volume of solids (v/v)	32 – 35%	30 – 33%
Pot life at 20°C	Max. 2 hours	Max. 2 hours
Curing at 20°C	Touch dry after 60 minutes, foot traffic after approx. 24 hours, recoatable after 16 hours. Fully cured after 7 days	Touch dry after 60 minutes, foot traffic after approx. 24 hours, recoatable after 16 hours. Fully cured after 7 days
Material consumption (theor.)	130 – 150g/m ² per coat	120 – 140g/m ² per coat
Chemical resistance	The cured coating is resistant to a wide range of industrial and household chemicals. For detailed information on chemical resistance please contact HIM.	The cured coating is resistant to a wide range of industrial and household chemicals. For detailed information on chemical resistance please contact HIM.
Abrasion resistance (Taber CS10/1 kg/1000)	40 mg	40 mg
Gloss (Gardner 60°)	7 - 14 GU	7 – 13 GU

* For detailed information consult HIM



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Temperature limitations
HIM FC240 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.
Surface preparation
It is essential to thoroughly prepare the floor surface in order to achieve a sound, clean and dry substrate. Because HIM FC240 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. No pre-treatment is required if the under laying system is not older than 48 hours.
Primer
No primer is required.
Mixing
Proper mixing of the components is essential. The entire contents of the hardener component should be poured into the base container while stirring. Mix the components for at least 2 minutes.
Material consumption
Pigmented : 130 - 150 g/m ² per coat Clear : 120 - 140 g/m ² per coat
Application
The mixed HIM FC240 should be applied to the prepared surface using a roller, brush or spraying equipment. Ensure that the pot life is not exceeded. It is important to spread the product well and apply in a regular coat thickness. Crosswise rolling minimizes the risk of irregular structure and aspect. Connections to earlier applied areas must be made while the coating is still wet, so roller marks will be avoided. A second coat may be applied after app. 16 hours.
Pot life at 20°C
Max. 2 hours
Curing at 20°C
Touch dry after 60 minutes, foot traffic after approx. 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 FC240 can be removed from tools and equipment with water and/or HIM Solvent 102.
Shelf life
HIM FC240 has a shelf life of 6 months if kept in a dry 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 FC240 is supplied in sets of 5 kg and 10 kg.
Flash points
HIM FC240 base > 150°C HIM FC240 hardener > 150°C HIM Solvent 102 32°C