



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

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# HIM FC150

## Water dispersed epoxy resin floor finish

<b>Uses</b>
HIM FC150 has been designed for use as a UV-protective finish for epoxy trowel floors and as a mat finishing coat for epoxy resin floor toppings. It provides an impervious and easy to clean surface, which is resistant to a wide range of chemicals. Because of the water based formulation, HIM FC150 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.
<b>Product description</b>
HIM FC150 is a two-component water dispersed epoxy resin floor coating. The cured product forms a transparent, mat, UV-protective finish for epoxy resin floors.
<b>Advantages</b>
<ul style="list-style-type: none"> <li>▼ hygienic - provides a seamless floor surface which is easily cleaned</li> <li>▼ chemical resistant - good resistance to a wide range of chemicals</li> <li>▼ non-slip and easy to clean</li> <li>▼ durable - good resistance to abrasion</li> <li>▼ water dispersed - safe in use, low odour</li> <li>▼ protects underlying coats against UV-radiation</li> <li>▼</li> </ul>
<b>Colors</b>
HIM F150 is transparent and colourless.
<b>Maintenance</b>
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.
<b>Flooring system</b>
2 or 3 coats of HIM FC150

Technical data *)	HIM FC150
<b>Mixing ratio base : hardener</b>	(w/w) 35 : 65 (v/v) 21 : 79
<b>Specific gravity (mixed)</b>	App. 1,05
<b>Volume of solids</b>	App. 50%
<b>Pot life at 20°C</b>	App. 45 minutes
<b>Curing at 20°C and a relative humidity of 65%</b>	Touch dry after 4 hours, light traffic after 24 hours, re-coatable after 1 day, but within 7 days. Fully cured after 7 days.
<b>Material consumption (theor.)</b>	0,1 - 0,15 kg/m <sup>2</sup> per coat, depending on substrate and preparation
<b>Chemical resistance</b>	The cured coating is resistant to mineral oils and fats, detergents, diluted mineral acids and alkalis. For further information on chemical resistance please contact HIM Products B.V.
<b>Abrasion resistance</b> (Taber CS10/1 kg/1000)	25 mg

\* For detailed information consult HIM



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<b>Temperature limitations</b>
HIM FC150 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%.
<b>Surface preparation</b>
Epoxy screeds : HIM FC150 may be applied to HIM epoxy resin floors, which are clean, dry and not older than 7 days.
<b>Primer</b>
No primer is required.
<b>Mixing</b>
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 gloss.
<b>Thinning</b>
After mixing base and hardener, the product is ready for use.
<b>Material consumption</b>
0,1 - 0,15 kg/m <sup>2</sup> per coat, depending on substrate and preparation.
<b>Application</b>
The mixed HIM FC150 should be applied to the prepared surface using a brush, roller or spray equipment. 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 24 hours). The time will be dependent on the type of surface and the ambient conditions.
<b>Pot life at 20°C</b>
App. 45 minutes
<b>Curing at 20°C</b>
Touch dry after 4 hours, light traffic after 24 hours, re-coatable after 1 day, but within 7 days. Fully cured after 7 days.
<b>Safety precautions</b>
Before use always consult the Material Safety Data Sheet for more information and the correct precautions.
<b>Tool cleaning</b>
HIM FC150 can be removed from tools and equipment with water and/or HIM Solvent 102.
<b>Shelf life</b>
HIM FC150 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.
<b>Disposal</b>
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.
<b>Pack size</b>
HIM FC150 is supplied in sets of 10 kg.
<b>Flash points</b>
HIM FC150 base > 100°C HIM FC150 hardener > 100°C HIM Solvent 102 32°C