



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

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# HIM FC215

## Polyurethane based floor finish

<b>Uses</b>
HIM FC215 has been designed for use as durable abrasion resistant finish for HIM epoxy or polyurethane based floors. HIM FC215 gives a structured seamless topcoat. HIM FC215 has an excellent resistance against UV-radiation.
<b>Product description</b>
HIM FC215 is a two-component polyurethane based floor finish. The cured film forms a pigmented finish to epoxy and polyurethane flooring systems. HIM FC215 is available in a clear mat and a clear satin version and in a wide range of RAL and NCS colors.
<b>Advantages</b>
<ul style="list-style-type: none"> <li>▼ durable - good resistance to abrasion</li> <li>▼ chemical resistant - good resistance to a wide range of chemicals</li> <li>▼ attractive - available in a wide range of RAL colours</li> <li>▼ easy to clean</li> <li>▼ antislip - structured topcoat</li> <li>▼ protects against U.V.</li> </ul>
<b>Colors</b>
HIM FC215 can be supplied in a wide range of RAL and NCS colors and is also available in a clear mat and satin version.
<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>
1 - 2 coats of HIM FC215

Technical data *)	HIM FC215
<b>Mixing ratio base : hardener (w/w)</b>	76 : 24 (Clear) 79 : 21 (Pigmented)
<b>Specific gravity (mixed)</b>	App. 1,05 (Clear) App. 1,2 (Pigmented)
<b>Volume of solids</b>	App. 45% (Clear) App. 50% (Pigmented)
<b>Pot life at 20°C</b>	App. 60 minutes
<b>Curing at 20°C</b>	Touch dry after 2-3 hours, light foot traffic after approx. 24 hours, recoatable after 1 day, within 7 days. Fully cured after 7 days
<b>Material consumption (theor.)</b>	100 – 120g/m <sup>2</sup> per coat, depending on substrate and preparation
<b>Chemical resistance</b>	The cured coating is resistant to salts, diluted mineral acids and oils and fats. For further information on chemical resistance please contact HIM.
<b>Abrasion resistance</b> (Taber CS10/1 kg/1000)	20 mg

\* For detailed information consult HIM



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<b>Temperature limitations</b>
HIM FC215 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%.
<b>Surface preparation</b>
It is essential to thoroughly prepare the floor surface in order to achieve a sound, clean and dry substrate. Because HIM FC215 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. <i>Resin based flooring system</i> : clean, dry and not older than 7 days.
<b>Limitations</b>
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.
<b>Primer</b>
No primer is required.
<b>Mixing</b>
The individual components of HIM FC215 should be thoroughly stirred before the two are mixed together. Proper mixing of the components is essential. The entire contents of the hardener component should be poured into the base container. Mix the components for at least 3 minutes.
<b>Material consumption</b>
100 – 120 g/m <sup>2</sup> per coat, depending on substrate and preparation.
<b>Application</b>
The mixed HIM FC215 should be applied to the prepared surface using a lambswool roller. Ensure that the area is completely coated and that 'ponding' of the material does not occur. The second coat may be applied as soon as the first coat has initially dried (the next day). The time will be dependent on the type of surface and the ambient conditions. Use tins with the same batch number for application on a particular surface because of the possibility of small variations in appearance.
<b>Pot life at 20°C</b>
App. 60 minutes
<b>Curing at 20°C</b>
Touch dry after 2-3 hours, light foot traffic after approx. 24 hours, recoatable after 1 day, 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 FC215 can be removed from tools and equipment with HIM Solvent 102.
<b>Shelf life</b>
HIM FC215 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 FC215 Clear Matt and Clear Satin is supplied in sets of 4 kg and 8 kg. HIM FC215 pigmented in sets of 4,56 kg and 9,12 kg.
<b>Flash points</b>
HIM FC215 base 25°C HIM FC215 hardener 38°C HIM Solvent 102 32°C