



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

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HIM FC AS

Water based polyurethane floor finish with anti-static properties

Uses
HIM FC AS is a conductive coating, especially developed as a finish coat for HIM SL Conductive in order to reduce body voltage generation. HIM FC AS improves the scratch resistance and the yellowing under influence of UV-radiation. HIM FC AS is resistant to water and a wide range of chemicals. The floor is easy to clean. HIM FC AS is suitable for application in closed rooms and the food processing industry.
Product description
HIM FC AS is a conductive, water based, 2 component polyurethane floor coating. After curing it forms a satin finish for conductive resin flooring.
Advantages
<ul style="list-style-type: none"> ▼ Hygienic – easy to clean ▼ Durable – good resistance to abrasion ▼ Water based – no smell or taint during application ▼ Protects underlying systems against UV-radiation ▼
Colors
HIM FC AS 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
1 coat of HIM FC AS as a finish coat for HIM SL Conductive

Technical data *)	HIM FC AS
Mixing ratio base : hardener	4 : 1
Specific gravity (mixed)	App. 1,25
Volume of solids	App. 44%
Pot life at 20°C	App. 30 minutes
Curing at 20°C	Foot traffic after 24 hours, vehicular traffic after 48 hours, fully cured after 7 days. No wet cleaning during the first 7 days!
Material consumption (theor.)	App. 100 g/m ²
Chemical resistance	After curing HIM FC AS is resistant to a mineral oils and fat, skydroll, the most diluted cleaning agents, ammonia, bleach, red wine, strong liquor and diluted acids such as phosphoric acid, hydrochloric acid, sulphuric acid, acetic acid and citric acid.
Abrasion resistance (Taber CS17/1 kg/1000)	20 mg

* For detailed information consult HIM



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Temperature limitations
HIM FC AS 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%.
Surface preparation
Existing epoxy/polyurethane floors should be dry, clean and in good condition. They should be thoroughly degreased, flowed by mild grinding with a small grain size. Because of the limited coat thickness scratches in the floor may remain visible. HIM FC AS is developed as a finish coat for HIM SL Conductive. If the floor is not older than 48 hours and clean, no pre-treatment is necessary. If the floor is older it should be degreased and grinded as mentioned above.
Primer
No primer is required.
Mixing
The pigmented base component (A) of HIM FC AS should be thoroughly homogenised before mixing it with the hardener component (B). Mix further for at least 3 minutes.
Thinning
HIM FC AS is ready for use. Do not add water or solvent.
Application
Immediately after mixing HIM FC AS should be applied to the prepared surface with a brush or roller. Make sure not to exceed the pot life. It is important to spread HIM FC AS well to obtain a uniform coat thickness. Crosswise rolling minimizes the risk of irregular structure and aspect. Depending on the desired aspect (orange peel) a short haired or medium roller can be used. Ensure sufficient ventilation, so the water in the coating will evaporate completely. Use tins of the same batch number to avoid differences in color or gloss.
Safety precautions
Before use always consult the Material Safety Data Sheet for more information and the correct precautions.
Tool cleaning
HIM FC AS can be removed from tools and equipment with water and/or HIM Solvent 102.
Shelf life
HIM FC AS 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 FC AS is supplied in sets of 5 kg
Flash points
HIM FC AS base > 150°C HIM FC AS hardener > 150°C HIM Solvent 102 32°C