

# PLASCOGUARD 4000 HB FLOOR COATING

PRODUCT CODE: FHB 4000 Range

## TECHNICAL DATA SHEET

<b>Product Description</b>	A two component high build solvent free epoxy floor coating.													
<b>Intended Uses</b>	<ul style="list-style-type: none"> <li>A high performance high build coating specifically designed for the protection of interior concrete floors.</li> <li>This product is suitable for use in garages, workshops, warehouses, factories, food processing plants, hospital theatres, cold rooms, aircraft hangers and areas exposed to heavy traffic.</li> </ul>													
<b>Features &amp; Benefits</b>	<ul style="list-style-type: none"> <li>Resistant to oils, various acids, alkalis, solvents, skydrol and leaded petrol. Maximum resistance is not attained until the coating has fully cured (7 days).</li> <li>Excellent abrasion resistance.</li> </ul>													
<b>Product Information</b>	Appearance	High gloss												
	Colours	Light stone ( <b>FHB 4337</b> ), Navy light grey ( <b>FHB 4735</b> ), Dark admiralty grey ( <b>FHB 4713</b> ), Chrome oxide green ( <b>FHB 4808</b> ).												
	Generic type	Epoxy coating												
	Volume solids	100%												
	S G	1,47 kg/L (typical, varies per colour)												
	Recommended DFT/WFT	200 – 1000 µm dry equivalent to 200 – 1000 µm wet. Can be applied to 1000 µm in one coat by trowel.												
	Theoretical spreading rate	2m <sup>2</sup> /L @ 500 µm DFT												
	Flash Point	Non-flammable												
	VOC	<95g/L												
<b>Application Details</b>	Mixing	Material is supplied in two containers as a unit. Always mix complete unit in proportions supplied. Once the unit has been mixed it must be used within the working pot life specified. Mix <b>Base</b> (part A) and <b>Catalyst (KAT 521)</b> (part B) separately with a power mixer. Combine entire contents of <b>Catalyst (KAT 521)</b> with <b>Base</b> and mix thoroughly with a power mixer. 3 parts <b>Base (FHB 4000)</b> to 1 part <b>Catalyst (KAT 521)</b> by volume.												
	Mix ratio													
	Working pot life	20 minutes @ 25 °C												
	Substrate	Apply over filled and sealed concrete substrates.												
	Method	Trowel and mohair roller												
	Thinning	Do not thin												
	Cleaning	Clean all equipment immediately after use with <b>GENERAL PURPOSE EPOXY REDUCER (EPT 1)</b>												
	Work stoppages	Do not allow material to remain on equipment. Clean with <b>GENERAL PURPOSE EPOXY REDUCER (EPT 1)</b> . Once units have been mixed they must be used immediately.												
	Drying time	Touch dry: 5 h Over coating: min - 8 h, max - 18 h Dry to handle: 24 h												
	Application Environment	<table border="1"> <thead> <tr> <th>Surface Temperature</th> <th>Ambient Temperature</th> <th>Relative Humidity</th> </tr> </thead> <tbody> <tr> <td>Min: 10 °C</td> <td>Min: 10 °C</td> <td>Min: 10%</td> </tr> <tr> <td colspan="3">or 3 °C min. above dew point</td> </tr> <tr> <td>Max: 40 °C</td> <td>Max: 40 °C</td> <td>Max: 85%</td> </tr> </tbody> </table>	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10%	or 3 °C min. above dew point			Max: 40 °C	Max: 40 °C	Max: 85%
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<b>Storage and Packaging</b>	Store away from direct sun, heat and severe cold.													
	Packaging:	5 L unit: 3,75 L Base, 1,25 L Catalyst 20 L unit: 15 L Base, 5 L Catalyst												

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<b>Surface Preparation</b>	<p><b>CONCRETE AND CEMENT PLASTER:</b></p> <ul style="list-style-type: none"> <li>The moisture content in the floor must be less than 5% when measured with a Doser Hygrometer on a B4 scale.</li> <li>The surface must be free from grease, oil, wax, silicone, mud, shutter release agent, mould oils and foreign materials.</li> <li>Vacuum Shot Blasting to CSP 3 standard is the preferred method of surface preparation. After blasting, vacuum the entire surface to remove any dust. Alternatively, high speed Vacuum Diamond Grind to CSP 2 standard.</li> <li>Remove any unsound existing coatings by Diamond Grinding.</li> <li>All surfaces must be sealed with one coat of <b>PLASCOGUARD GEHOPON 7 SEALER (GW 7)</b>. Allow 12 hours to dry prior to over coating.</li> <li><b>Note:</b> When concrete hardeners, curing membranes or other additives have been used, remove by Vacuum Shot Blasting.</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li><b>Roller Application:</b> Apply the product by mohair roller onto <b>PLASCOGUARD GEHOPON 7 SEALER (GW 7)</b> at 200-500 µm WFT. Allow 12 hours drying between coats. A minimum of 500 µm must be achieved by single or multiple coats.</li> <li><b>Trowel Application:</b> This product may be applied as a single coat at 1000 µm by steel trowel, then spike rolled to release entrapped air.</li> <li>Working pot life is dependant on ambient temperatures and will decrease at temperatures above 25 °C.</li> <li>Curing times will vary depending upon film thickness, temperatures and conditions that exist during application and curing periods.</li> </ul>
<b>Cautions</b>	<ul style="list-style-type: none"> <li>This product is designed for interior use only. In common with all epoxies it will chalk and discolour on exterior exposure.</li> <li>Premature exposure to ponding water could cause a colour change.</li> </ul>
<b>Safety Precautions</b>	<ul style="list-style-type: none"> <li>Always keep paint out of reach of children.</li> <li>Ensure good ventilation during application and drying.</li> <li>If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.</li> <li>Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.</li> <li>Harmful if swallowed. Seek medical attention and do not induce vomiting.</li> <li>Do not smoke while painting.</li> <li>Flammable. Store in a cool dry place away from heat and sparks.</li> <li>Refer to Safety Data Sheet for complete information.</li> </ul>

**DISCLAIMER:**

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

**N.B.** Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

**NB: TO ORDER: Quote product name, product code number, packaging and colour.**

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