



PLASCOGUARD 4000 HB FLOOR COATING

PRODUCT CODE: FHB 4000 Range

TECHNICAL DATA SHEET NO: IN-51-A

DATE: JUNE 2011

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

| Product Description | <ul style="list-style-type: none"> A two component high build solvent free epoxy floor coating which has excellent abrasion resistance and is also resistant to oils, petrol, certain acids and solvents. | | | | | | | | | | | | | |
|--------------------------------|---|---|---------------------|---------------------|-------------------|---------------------------|---------------|----------|------------------------------|--|--|------------|------------|-----------|
| Intended Uses | <ul style="list-style-type: none"> A high performance high build coating specifically designed for the protection of interior concrete floors. 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. | | | | | | | | | | | | | |
| Features & Benefits | <ul style="list-style-type: none"> Resistant to various acids, alkalis, solvents, skydrol and leaded petrol. Maximum resistance is not attained until the coating has fully cured (7 days). | | | | | | | | | | | | | |
| Product Information | Appearance | High gloss | | | | | | | | | | | | |
| | Colours | Light Stone (FHB 4337), agulhas blue (FHB 4613) and Navy light grey (FHB 4735) | | | | | | | | | | | | |
| | Generic type | Epoxy coating | | | | | | | | | | | | |
| | Volume solids | 98 % | | | | | | | | | | | | |
| | S G | 1,47 kg/ℓ (typical, varies per colour) | | | | | | | | | | | | |
| | Recommended DFT | 200 – 1000 µm dry equivalent to 200 – 1000 µm wet. Can be applied to 1000 µm in one coat. | | | | | | | | | | | | |
| | Theoretical spreading rate | 5m ² /ℓ @ 200 µm DFT | | | | | | | | | | | | |
| | Flash Point | Non-flammable | | | | | | | | | | | | |
| Application Details | 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 Base (part A) and Curing Agent (part B) separately with a power agitator. Combine entire contents of Curing Agent with Base and mix thoroughly with a power agitator. | | | | | | | | | | | | |
| | Mix ratio | 3 parts Base to 1 part Curing agent by volume. | | | | | | | | | | | | |
| | 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 GENERAL PURPOSE EPOXY REDUCER (EPT 1) | | | | | | | | | | | | |
| | Work stoppages | Do not allow material to remain on equipment. Clean with GENERAL PURPOSE EPOXY REDUCER (EPT 1) . Once units have been mixed they must be used immediately. | | | | | | | | | | | | |
| | 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 2 °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 2 °C min. above dew point | | | Max: 40 °C | Max: 40 °C | Max: 85 % |
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| Max: 40 °C | Max: 40 °C | Max: 85 % | | | | | | | | | | | | |
| | Drying time | <table> <tr> <td>Touch dry</td> <td>5 hours</td> </tr> <tr> <td>Overcoating</td> <td>8 hours min, 18 hours max</td> </tr> <tr> <td>Dry to handle</td> <td>24 hours</td> </tr> </table> | Touch dry | 5 hours | Overcoating | 8 hours min, 18 hours max | Dry to handle | 24 hours | | | | | | |
| Touch dry | 5 hours | | | | | | | | | | | | | |
| Overcoating | 8 hours min, 18 hours max | | | | | | | | | | | | | |
| Dry to handle | 24 hours | | | | | | | | | | | | | |
| Storage and Packaging | Store away from direct sun, heat and severe cold. | | | | | | | | | | | | | |
| | Packaging: | 5 ℓ unit: 3,75 ℓ Base , 1,25 ℓ Curing Agent 20 ℓ unit: 15 ℓ Base , 5 ℓ Curing Agent | | | | | | | | | | | | |



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

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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