

# DB-Dickschutz

-DB Thick Protective Coat-

**Exterior and interior**

**Anti-corrosive coating with micaceous iron oxide**

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## General Description

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| Type of material:   | Liquid plastic as thick protective coat for primer and top coat.                                                                                                                                                                                                                                                                                                                                                   |
| Range of uses:      | Can be applied onto galvanised steel parts, zinc (clean according to BFS Data Sheet No. 5), black iron, steel or non-anodized aluminium. In the case of black iron and steel, a priming with Rust Stop is recommended. For coating of galvanised fences, gates, railings, gutters, steel constructions as well as of non-anodized aluminium components such as projecting roofs, hall gates, facade panelling etc. |
| Product properties: | Colour stable, even in chemically aggressive atmospheres, high anti-corrosion protection, coating remains resistant against embrittlement, to be applied in very thick layers, high solids content.                                                                                                                                                                                                                |
| Colour shade:       | DB 703, 9006                                                                                                                                                                                                                                                                                                                                                                                                       |
| Packaging sizes:    | 750 ml, 2,5 l                                                                                                                                                                                                                                                                                                                                                                                                      |

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## Technical Data

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| Binder base:            | PVC-acrylic polymer                                                                |
| Pigment base:           | titanium dioxide, fillers, light-stable pigments, micaceous iron oxide             |
| Density:                | 1,12 – 1,35 g/cm <sup>3</sup> , depending on shade                                 |
| Degree of gloss:        | silk-matt                                                                          |
| Tinting colours:        | can not be tinted                                                                  |
| Viscosity:              | thixotropic                                                                        |
| Thinner:                | Undiluted brush or roller<br>For spraying, set with max. 7 % Nitro-Thinner.        |
| Processing temperature: | For object and circulating air above +5 ° C.<br>Avoid exposure to direct sunlight. |

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| Drying:         | (23 ° C 60 % rel. air humidity)<br>dust-dry: ca. 30 minutes<br>touch-dry: ca. 3 hours<br>re-coatable: ca. 6 hours<br>through-dried: depending on coat thickness ca. 36 hours and more<br>loadable: after ca. 2 weeks<br>Low temperatures and / or higher air humidity as well as considerable layer thicknesses delay drying. |
| Spreading rate: | 250 – 350 g/m <sup>2</sup> per coat, in order to achieve 80 – 100 µ dry film layer                                                                                                                                                                                                                                            |
| GISCODE:        | BSL50                                                                                                                                                                                                                                                                                                                         |

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**Method of processing**

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| Substrate preparation: | <p>All substrates must be clean, dry and free of rust, grease and dust. Surface impurities which reduce the bond (rolling skin, welding residues etc.) to be carefully removed. In accordance with DIN EN ISO 12944, we recommend blast de-rusting – percentage purity SA 2,5. In case of smaller surfaces, wash off with solvent, prepare larger surfaces by means of steam jet cleaning (see EN-ISO 12944-4, point 12 – 14). <u>Iron and steel</u> to be primed with Rust Stop.</p> <p><u>Non-ferrous metals</u> such as zinc, aluminium, galvanized steel to be slightly ground or swept in accordance with EN-ISO 12944-4, point 6.2.3.4.1. Zinc is to be coated directly after being galvanized. After only a short period of time reactions occur which have a damaging effect on the bonding of the coating. In case of reworking of powder coatings, test surfaces are to be determined. Chemical processes must be tested as to their suitability and the relevant procedure of the process is to be precisely established.</p> <p>The preparation of the substrate and painting must be scientifically and technically state of the art. Please also take note of the current BFS data sheets and the VOB (German Construction Contract Procedures), Part C, DIN 18363 Painting and Coating work.</p> |
| Application:           | <p>Only the first coat to be rolled or painted. The second and further coats to be sprayed due to the possibility of lifting. Apply DB Thick Protective Coat undiluted by brush / roller in order to achieve the minimum layer thickness. Due to the fast drying, we recommend spraying with large surfaces. Airless spray 0,28 – 0,33 mm nozzle, set spray angle accordingly. When spraying, if required, dilute with max. 7 % nitro-thinner. Dry film thickness of minimum 100 µ required.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Only use the same material and with the same production number when working at an object. Deviations in shade can occur with micaceous iron oxide and metallic shades, these are however due to technical reasons. When using different tools, the micaceous iron oxide adjusts differently and this can lead to differences in shade. DB Thick Protective Coat is not suitable for movable components with seals, such as doors for example.

**Before processing, carry out trial coating.**

**If several containers are used to apply the final coat, ensure batch uniformity.**

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| Methods of application: | <u>brush</u> : brush with natural bristles<br><u>roller</u> : use short-pile roller<br><u>spray</u> : Airless: pressure ca. 200 bar<br>Nozzle: 0,28 – 0,33 mm – 0,011 – 0,013 inch |
| Cleaning your tools:    | Nitro-thinner                                                                                                                                                                      |
| Storage:                | Cool, dry and protected against frost. Seal opened container well and briefly turn upside-down.                                                                                    |
| VOC-Value:              | EU threshold value for this product (Cat. A/i):<br>500 g/l VOC (2010).<br>This product contains max. 500 g/l VOC.                                                                  |

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| <b>Identification Marking:</b> | Please take note of our updated Safety Data Sheet available on the Internet at <a href="http://www.jansen.de">www.jansen.de</a> |
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The technical information was compiled in accordance with the latest state of the art. An obligation for the general validity of the individual recommendations cannot, however, be accepted as the application and processing methods do not lie within our influence and the varying states of the substrates each require a decision as to the method of working suitable for workman and trade. The recommendations do not release the customer from the task of accepting responsibility for checking the products of the supplier company as to their suitability for the foreseen use. Applicable are the "General Terms and Conditions of Delivery and Payment in the Paint Industry" in the recommendation approved by the Federal Cartel Office (Bundeskartellamt) on 1. January 2018. On publication of this data sheet, all previous data sheets for this product become invalid.

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