SÜDWEST

TECHNICAL DATA SHEET

30835
SUPER-DICKSCHUTZ EG

AREA OF APPLICATION

Super-Dickschutz EG is a thick-layer lacquer with low solvent content for protection against corrosion. The product adheres reliably and directly to many substrates and is suitable for use as a primer and finishing coat (one-pot system). Super-Dickschutz EG can be used for gates, pipes, railings, or metal facades, for example. Iron mica and active pigments provide excellent protection against corrosion. Can be used in colour shade DB 701 to repair damaged galvanised surfaces.

PROPERTIES

- One-pot system for use as a primer coat, intermediate paint coat, and finishing coat
- Can be used as a thick coat with very good through-drying
- Iron mica and active pigments for effective protection against corrosion
- Very good adhesion on a wide variety of substrates
- Colour shade DB 701 resembles a zinc finish
- Good edge coverage
- Good weatherability
- Stability against embrittlement
- Free from aromatic compounds (VdL-RL-01)
- Corrosion category based on DIN EN ISO 12944-6: C3 (steel)*, C5 (galvanised steel)*

* See test report on our homepage

COLOUR SHADE: DB 701, DB 702, DB 703

ALL-COLOR FACTORY TINTING: DB colour shades: DB 301, DB 310, DB 501, DB 502, DB 503, DB 510, DB 601, DB 602, DB 603, DB 610, and DB 704.

Old copper: House colour shade 8340 Old copper (corresponds to approx. MET 0800 in the SÜDWEST lacquer colour shade range).

CONTAINER: 750 ml, 2.5 l, 10 l

COVERAGE: 120 – 150 ml/m² per coating, depending on application method

GLOSS LEVEL: matt

AREA OF APPLICATION

GENERAL RULES:

The substrate must be prepared and the coating work performed in accordance with the state of the art. All coatings and preliminary work should always be geared towards the project and the requirements it is exposed to. Please also observe the current BFS data sheets, published by the German Federal Committee for Paints and the Protection of Objects. Also see German construction contract procedures (VOB), Part C, DIN 18363, Paragraph 3 “Painting and coating work”. Treating/removing layers of paint by sanding, welding, burning off, etc. can cause harmful dust and/or vapours. Only carry out work in well-ventilated areas. Use appropriate breathing apparatus/protective equipment, if necessary. All substrates must be clean, dry, load-bearing, and free from release agents. Substrates must be checked in terms of their load-bearing capacity and suitability for subsequent coatings. If necessary, create a test surface and test the adhesion by means of a cross cut and/or mesh tape tear-off. For coating build-ups, carry out intermediate sanding in between the individual coatings.

Sand grey and weathered wooden areas down to the load-bearing substrate. Clean and sand existing load-bearing paint coats. Round off sharp wooden edges. Ensure adequate drainage inclinations on horizontal surfaces. The moisture content for hardwood should be max. 12 % and for softwood max. 15 %. The drier the substrate, the greater the depth of penetration, improving the protective function and service life of subsequent paint coats. Wash tropical woods with constituents that delay the drying time with a cellulose thinner and apply a test coat. For exterior applications, it is recommended to pretreat untreated or exposed timbers that are susceptible to fungus with SÜDWEST Holz-Imprägnier-Grund LH or SÜDWEST AquaVision Holz-Imprägnier-Grund WV. Observe Technical Data Sheet, DIN 68800 Part 3, and BFS data sheet 18.

SUBSTRATE

The substrate must be firm, dry, clean, load-bearing, and free from release agents.

SUITABLE SUBSTRATES:

Existing coatings, iron, steel, stainless steel, zinc and galvanised steel, aluminium, copper, brass, hard plastics.

SUBSTRATE PREPARATION:
EXISTING COATINGS:

Check existing coatings for a firm hold. Completely remove existing non-load bearing coatings. Thoroughly clean and sand existing load-bearing coatings. If the nature of an existing coating is unknown (e.g. in the case of coil coating sheet metals), we recommend creating test coatings and using cross-cut tests to check adhesion.

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IRON AND STEEL:
Derust iron and steel thoroughly. Remove any mill scale. Blast highly contaminated steel surfaces to standard preparation grade SA 2 1/2 in accordance with DIN EN ISO 12944-4.

STAINLESS STEEL:
Stainless steel should be thoroughly degreased and steamed off. We recommend creating test coatings and using cross-cut tests to check adhesion.

ZINC AND GALVANISED STEEL PARTS:
Clean with SÜDWEST Zink- und Kunststoff-Reiniger. Observe the Technical Data Sheet and BFS data sheet no. 5.

ALUMINIUM (NON-ANODISED):
Clean with SÜDWEST Kupfer- und Alu-Reiniger. Observe the Technical Data Sheet and BFS data sheet no. 6.

COPPER/BRASS:
Clean with SÜDWEST Kupfer- und Alu-Reiniger. Observe the Technical Data Sheet.

HARD PLASTICS, E.G. RIGID PVC:
Clean with SÜDWEST Zink- und Kunststoff-Reiniger. Observe the Technical Data Sheet and BFS data sheet no. 22.

APPLICATION
Stir well and apply with a brush, with a roller, or by spraying. Apply 2–3 coats depending on the substrate. In the case of highly absorbent timbers, the first coat can be diluted up to max. 3 %.

APPLICATION CONDITIONS:
Stir well and apply generously with a brush, by roller, or by spraying. To maximise layer thickness, apply undiluted if possible. Apply 3 coats to manually derusted substrates and at least 2 coats to all other substrates. Wet-layer thickness 100 – 300 µm per layer, depending on application method per application cycle. Using this method, the dry-layer thickness should be between approx. 50 and 120 µm.

APPLICATION CONDITIONS:
Do not apply or leave to dry at an air or project temperature of less than +5°C. Do not apply in direct sunlight.

APPLICATION USING SPRAY PROCESS:

Process	Nozzle	Material pressure/quantity	Air pressure	Thinning
High pressure	2.0	-	2.0 bar	5–10 %
Low pressure	Medium	approx. 2/3	max.	5–10 %
Airless	0.012 "	180–200 bar	-	-
Airmix	0.012 "	150–180 bar	1.0–2.0 bar	-

THINNING:
If necessary, dilute with alkyd resin lacquer thinner (aromatic-free).

TOOL CLEANING:
Clean with alkyd resin lacquer thinner after use. Dispose of cleaning agents properly.

DRYING
(+20°C / 60 % rel. humidity, 100 µm wet-layer thickness)
Dust-dry: approx. 3 h
Over-coatable: approx. 14 h

Fully dry after approx. 3–4 days
Higher layer thicknesses and/or lower temperatures delay the drying times

SPECIAL INFORMATION
Please apply a test coat to an existing paint coat to test suitability for overcoating. Achieving a consistent layer thickness and a uniform appearance depends on the application method used. The best results are generally achieved using a spray process. Solvent-based alkyd resin lacquers have a characteristic odour which may still be perceptible after drying. For large-area application in common rooms, we therefore recommend using SÜDWEST water-based paints which are recommended for indoor use.

COLOUR RETENTION IN ACCORDANCE WITH BFS DATA SHEET NO. 26:
Class: B, group: 1–3 depending on the colour shade

EC DIRECTIVE 2004/42/CE
The Super-Dickschutz EG product falls below the maximum VOC value of product category i (500 g/l) and is therefore VOC-compliant.

VDL DECLARATION
Alkyd resins (mineral and/or organic pigments, depending on the colour shade) mineral white and black pigments, mineral fillers, effect pigments. iron mica, corrosion-inhibiting pigments, aliphatic hydrocarbon mixtures, alcohols, wetting agents, anti-foaming agents, phyllosilicates, driers, antioxidants, adhesion promoters, light stabilisers

GISCODE BSL20

GENERAL SAFETY ADVICE
Good ventilation must be ensured while paints and varnishes are being applied and are drying. Keep away from food, drink, and animal feed. Avoid contact with skin and eyes. Do not breathe in dust during sanding work. Only use in well-ventilated areas. Do not eat, drink, smoke, or inhale snuff tobacco during work. Keep out of reach of children. Do not allow to enter the sewer system or bodies of water. If rivers, lakes, or drains become contaminated, inform the relevant authorities in accordance with the local laws.
Further information and the current SDS are available at www.suedwest.de

STORAGE
Close opened containers so that they are airtight after use. Store in cool but frost-free conditions.

DISPOSAL
Only recycle empty containers. Only return empty containers for recycling. Dispose of containers with residues at the responsible hazardous waste centre. Dispose of dried paint brushes and rollers with residual waste. Do not dispose of paint or rinse painting tools in sinks or drains.

TECHNICAL CONSULTATION
Our sales force will be happy to answer any questions which have not been covered by this Technical Data Sheet. Our technical customer service team at the factory is also available to answer any detailed queries you may have.
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DISCLAIMER
We are committed to taking the utmost care. However, we are only able to

provide general information based on our own experiences, developments, and investigations, and these naturally cannot take the individual conditions of a project (substrates, weather conditions, other conditions) into account. The applicator is therefore obliged to maintain their knowledge in accordance with the state of the art and act responsibly.

Our employees are available to provide specific advice and will be happy to do so. We accept no responsibility for the use of the product in combination with other products. The data provided in this Technical Data Sheet does not constitute binding information or liability.

Furthermore, suspension or the appearance of a subsequent edition will invalidate this Technical Data Sheet; information about this can be accessed at any time on our website: www.suedwest.de.

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