



TECHNICAL DATA SHEET

30017

DRYTEC® HOLZPROTECT

AREA OF APPLICATION

Drytec® HolzProtect is a covering weather protection paint with biomimetic effect for timber and engineered woods in exteriors. Use the product on non-dimensionally-stable and semi-dimensionally-stable timber components, e.g. boarding, timber facades, or roof soffits.

The biomimetic effect ensures that the surface dries quickly after rain or dew.

PROPERTIES

- water-dilutable
- smooth application
- rapid drying after rain and dew formation
- high resistance to flow
- fills smaller pores and cracks
- preserves the wood texture
- very good weatherability
- maximum colour durability
- water-repellent thanks to biomimetic effect
- water vapour permeable
- stain-blocking effect against many wood constituents
- with film protection against algae and fungal attack

COLOUR SHADE: 9110 white

ALL-COLOR FACTORY TINTING: more colour shades available.

CONTAINER: 750 ml, 2.5 l, 10 l

COVERAGE:

smooth timber approx. 120–150 ml/m² per coat
Coverage is higher on rough sawn timber. Exact consumption values on the specific project must be determined by applying a test coat.

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 outdoor 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

Semi-dimensionally-stable and non-dimensionally-stable timber, engineered wood, existing coatings.

SUBSTRATE PREPARATION:

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

WOOD/ENGINEERED WOOD:

Sand and thoroughly clean timber surfaces in grain direction. Prime timbers susceptible to fungus in exteriors with SÜDWEST AquaVision Holz-Imprägnier-Grund WV.

WOOD WITH EXISTING COATINGS:

Always check the load-bearing capacity of existing coatings. Remove non-load bearing existing coatings as far as the load-bearing wooden substrate. Sand load-bearing existing coatings well and clean them thoroughly.

APPLICATION

Stir the material well and apply with a paint brush, by roller, or by spraying. Only use tools that do not rust. If possible, apply the primer coat with a paint brush. Depending on the absorption capacity of the wood, dilute the primer coat up to 3 %. Do not apply or leave to

dry at temperatures below +5 °C or in direct sunlight. Apply 2 undiluted coats.

APPLICATION USING SPRAY PROCESS:

Process	Nozzle	Material pressure/quantity	Thinning
Airless (20 °C)	0.004 "– 0.017 "	Approx. 120 bar	Undiluted

Spray width and output will vary from project to project.

THINNING/TOOL CLEANING:

With water (drinking water quality)

DRYING

(20 °C / 60 % rel. humidity, 100 µm wet-layer thickness)

Dust-dry: approx. 1 h

Over-coatable: approx. 4 h

Higher layer thicknesses and/or lower temperatures delay the drying times.

BUILDING PHYSICAL DATA

Water vapour diffusion-equivalent air layer thickness in accordance with EN ISO 7783-2: $\mu = 6100$

Water vapour diffusion sd value:

approx. 0.7 m (class V2 medium) in accordance with EN ISO 7783-2

Water permeability rate in accordance with EN 1062-3: $w = 0.02$ [kg/(m²*h*0.5)] (class W 3 low)

SPECIAL INFORMATION

We recommend applying 3 coats on heavily exposed surfaces. For white or light-coloured coats on timber with water-soluble, discolouring ingredients, we recommend applying AquaVision Isolier-Grund as a priming coat (white colour shade).

Drytec® HolzProtect contains active ingredients to combat algae and fungus (film protection). They have a preventive and retarding effect. Permanent protection against algae and/or fungal attack cannot be guaranteed. Products with active ingredients must be applied in sufficient layer thickness.

This can only be achieved by applying two coats.

COLOUR RETENTION IN ACCORDANCE WITH BFS DATA SHEET NO. 26

Class: A, group 1–3 depending on the colour shade. Colour shades from the All-Color no. 1 colour shades fan are always classified as group 1.

EC DIRECTIVE 2004/42/CE

The Drytec® HolzProtect product falls below the maximum VOC value of product category d (130 g/l) and is therefore VOC-compliant.

BIOCIDAL PRODUCTS REGULATION (528/2012)

Contains 3-jod-2-propynyl butyl carbamate, 4,5-dichloro-2-octyl-2H-isothiazol-3-one, 2-octyl-2H-isothiazol-3-one, 1,2-Benzisothiazol-3(2H)-one, mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 2-Methyl-2H-isothiazol-3-one as active ingredients for coating protection and the protection of products during storage in accordance with Article 58(3) of the Biocidal Products Regulation (528/2012)

VDL (GERMAN PAINT AND PRINTING INK ASSOCIATION) DECLARATION

Polymer dispersion, titanium dioxide, silicate extenders, water, alcohols, glycol ether, surface additive, thickener, stabilisers, dispersing agent, anti-foaming agent, hydrophobic agent, film preservative based on 3-jod-2-propynyl butyl carbamate (IPBC), film preservative based on 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT) and 2-octyl-2H-isothiazol-3-one (OIT)

GISCODE BSW50

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. Keep out of reach of children. Do not allow to enter

ground water, bodies of water, or the sewer system in undiluted or large quantities.

Further information and the current safety data sheet are available at www.suedwest.de

STORAGE

Store in a cool but frost-free and dry place; can be stored for 15 months in the unopened original container.

DISPOSAL

Dispose of empty containers at an authorised hazardous waste centre. The current legal requirements regarding disposal must be observed.

TECHNICAL CONSULTATION

Our sales representatives 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. (06324/709-0)

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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