SÜDWEST

TECHNICAL DATA SHEET

30910 DRYTEC®

AREA OF APPLICATION

Universal matt facade paint for many substrates. With biomimetic effect to prevent and delay algae and fungal attack without film protection.

PROPERTIES

- Water-repellent
- Weather-resistant
- Resistant to driving rain
- Excellent adhesion on a wide variety of substrates
- Excellent hiding power
- Texture-retaining
- Good carbon dioxide impermeability (sd CO_2 > 50 m)
- Rapid drying due to biomimetic effect
- Very high mechanical resistance
- Maximum colour stability
- Without film protection
- Also suitable for moisture-resistant surfaces with an incline of up to 45°

COLOUR SHADE: 9110 white

ALL-COLOR FACTORY TINTING: more colour shades available.

CONTAINER: 2.5 l, 10 l

COVERAGE: approx. 120 ml/m² per coating on smooth substrates. Proportionately more on rough substrates. Determine the exact coverage amounts with a test coat.

GLOSS LEVEL: matt (G3) in accordance with DIN EN 1062-1
The surface has a silk-matt appearance depending on the angle

DENSITY: 1.2 – 1.4 g/m³

USE

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.

SUBSTRATE

SUBSTRATE PREPARATION:

New external render and areas where render is reapplied must be cured and dry before painting. (Rule of thumb: 1 day per mm of render thickness) Non-load-bearing existing coatings must be completely removed from the substrate. The substrates must then be treated like uncoated substrates.

SUBSTRATE CLEANING:

Depending on the type and intensity of soiling, wash the facade substrates with a sponge or painter’s brush, cold-water high pressure, or steam jet device.

Commercially available acidic or alkaline cleaning agents can also be used before washing to improve the removal of soiling.

SUBSTRATE REQUIREMENTS:

The substrate must be firm, dry, clean, and load-bearing, as well as free from sinter layers, efflorescence and release agents.

COATING BUILD-UP:
EXTERNAL RENDERS IN MORTAR GROUPS PII AND PIII

Observe BFS data sheet no. 9.

NEW EXTERNAL RENDERS:

Prime with SÜDWEST Drytec® diluted with max. 10 % water or with SÜDWEST HydroGrund or SÜDWEST ThixGrund. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

EXISTING EXTERNAL RENDERS:

Areas where render is reapplied must have set well and dried. Prime porous, absorbent, slightly crumbling external renders with SÜDWEST HydroGrund or SÜDWEST ThixGrund. Prime highly absorbent, crumbling, or chalking external renders with SÜDWEST TiefenGrund LH. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

CALCIUM SILICATE MASONRY UNIT:

Observe BFS data sheet no. 2.
Prime with SÜDWEST Drytec® diluted with 10 % water or with SÜDWEST HydroGrund or SÜDWEST ThixGrund. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water.

SÜDWEST Lacke + Farben
GmbH & Co. KG

Iggelheimer Strasse 13
D-67459 Böhl-Iggelheim

TEL +49 6324 / 709-0
info@suedwest.de

www.suedwest.de

Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

COATED FIBRE CEMENT SLABS (ASBESTOS-FREE):
The type/composition of the fibre cement slabs must be checked in accordance with BFS data sheet no. 14 before coating. Check the type of coating and condition of the existing coating, e.g. by scraping it or by performing a solvent test or cleaning test. After cleaning, prime existing coatings that are still chalking with SÜDWEST TiefenGrund LH. Prime with SÜDWEST Drytec® diluted with 10 % water. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

UNCOATED FIBRE CEMENT SLABS (ASBESTOS-FREE):
The type/composition of the fibre cement slabs must be checked in accordance with BFS data sheet no. 14 before coating. Prime depending on absorption capacity with SÜDWEST TiefenGrund LH, SÜDWEST HydroGrund, or SÜDWEST Drytec® diluted with 10 % water. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

GLASAL FIBRE CEMENT SLABS:
After cleaning, prime with SÜDWEST AquaVision 2K-All-Grund.
Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

CONCRETE:
Prime highly absorbent substrates with SÜDWEST HydroGrund. Prime normal and weakly absorbent substrates with SÜDWEST Drytec® diluted with 10 % water. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

COATED CELLULAR CONCRETE:
Observe BFS data sheet no. 11. Prime with SÜDWEST Drytec® diluted with 10 % water or with SÜDWEST HydroGrund or SÜDWEST ThixGrund (depending on chalking and absorption capacity).
Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

LOAD-BEARING LACQUER OR EMULSION PAINT COATINGS:
Sand gloss surfaces and lacquer coatings. Prime with SÜDWEST Drytec® diluted with max. 10 % water. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

LOAD-BEARING EXISTING PLASTO-ELASTIC EMULSION PAINT COATINGS:
Clean the surfaces with water pressure or wash off with water. Only use on existing plasto-elastic coatings (> 10 years). Prime with SÜDWEST Drytec® diluted with max. 10 % water. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

LOAD-BEARING SYNTHETIC RESIN RENDER COATINGS:
Clean the surfaces with water pressure or wash off with water. Prime with SÜDWEST Drytec® diluted with max. 10 % water, depending on the absorption capacity of the substrate. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

GALVANISED SURFACES:
Observe BFS data sheet no. 5.
Clean the zinc surface with SÜDWEST Zink- und Kunststoff-Reiniger. Prime with SÜDWEST Drytec® diluted with max. 10 % water. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

PURE ALUMINIUM:
Observe BFS data sheet no. 6.
Clean the aluminium with SÜDWEST Kupfer- und Alu-Reiniger. Prime with SÜDWEST Drytec® diluted with max. 10 % water. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

COPPER:
Clean the copper with SÜDWEST Kupfer- und Alu-Reiniger. Prime with SÜDWEST Drytec® diluted with max. 10 % water. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water. It may be possible to see through light colour shades.

RIGID PLASTICS, RIGID PVC, GLASS-FIBRE REINFORCED PLASTIC:
Observe BFS data sheet no. 22. Clean the plastic surface with SÜDWEST Zink und Kunststoff-Reiniger. Prime with SÜDWEST Drytec® diluted with max. 10 % water. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

EWIS:
Depending on the type of finishing render or facade paint, see the coating build-up for external renders or lacquer or emulsion paint coatings.

COIL COATINGS:
Clean with ammoniac wetting agent. Some coil coatings cannot be coated (e.g. those containing silicone). Always create a test surface and test the adhesion by means of a cross cut and/or mesh tape tear-off. Prime with SÜDWEST Drytec® diluted with max. 10 % water. Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

CRACK REFURBISHMENT/SURFACE LEVELLING:
Cracks in render surfaces (no dynamic cracks) can be filled with SÜDWEST RissGrund 1 für 3 or SÜDWEST RissGrund faserarmiert by applying the product once or several times (observe the Technical Data Sheet). Scrape open cracks over 3 mm wide in a V-shape, wet with water, and fill professionally. Unevenly textured surfaces can be levelled with SÜDWEST RissGrund 1 für 3 (undiluted). Apply an intermediate coat with SÜDWEST Drytec® diluted with max. 10 % water. Apply a finishing coat with SÜDWEST Drytec® diluted with max. 5 % water.

SURFACES EXPOSED TO FUNGAL OR ALGAE ATTACK:
Remove mould or algae by means of wet blasting in compliance with the legal regulations. Once the surfaces that have

been cleaned in this way have dried, treat them with Fungan – in accordance with the Technical Data Sheet. To boost reliability, we recommend using SÜDWEST Drytec® with factory film preservation on facade surfaces that are exposed to increased moisture due to their special project conditions (e.g. open bodies of water and/or trees and shrubs in the vicinity of the project, etc.). This has 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. High alkaline influences and/or delayed film formation due to weather conditions reduce the effect of film protection. In addition, BFS data sheet no. 9, section 6.1 must be observed.

APPLICATION

Paint, roll, or spray. Stir the product homogeneously before application. If possible, apply tintings undiluted and with the same application method on connected surfaces. Check the colour shade before application.

AIRLESS SPRAYING:
Low overspray application with an airless sprayer: low material application without subsequent overcoating with a roller:
FineFinish nozzles (e.g. TradeTrip 3 nozzle 412).
Pressure: 150–200 bar
Use a Metex Reuse or a pail strainer.

High material application with subsequent overcoating with a roller:
Nozzle: 316 – 319 DD
Pressure: approx. 120 bar
Airless sprayer: InoSPRAY A 500 or similar equipment

Please also pay attention to the equipment manufacturer's recommendations when using in a spray process.

APPLICATION TEMPERATURE:
Do not apply or leave to dry at a material, object, and air temperature of less than +5°C.

DILUTION/TOOL CLEANING: dilute max. 10 % with water. Clean tools with water.

DRYING

(20° / 60 % rel. humidity)
Over-coatable: after 24 h

BUILDING PHYSICAL DATA

Water vapour diffusion-equivalent air layer thickness as per DIN ISO 7783-2: approx. 0.5 m (class V2, medium)
Water permeability rate as per EN 1062-1: w < 0.05 [kg/(m²*h0.5)] (class W3, low)
Carbon dioxide permeability: sd CO_2 > 50 m
Dry layer thickness in accordance with EN 1062-1: 140 µm
All specifications are average values. Minor deviations are possible as a result of fluctuations due to raw materials. This does not affect the suitability of the product.

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.

SPECIAL INFORMATION

Apply the priming coat with a painter's brush or roller to ensure that it is evenly worked into the substrate. Apply the primer in accordance with the current Technical Data Sheets. Always observe the Technical Data Sheets of the products used. This Technical Data Sheet does not release the user from the obligation to observe further provisions of laws, regulations, the state of the art, etc. Perform a cross-cut test on challenging substrates such as galvanised surfaces, pure aluminium, rigid plastics, etc. To ensure the quality and uniformity of facade coatings, do not apply in direct sunlight, strong wind, fog, impending rain, or before an expected temperature drop below +5°C during the drying phase.
Not suitable for horizontal surfaces with water loading.

Colour stability:
The surface of coatings can change over time due to weather conditions, moisture, UV irradiation, and deposits. This can result in a change in colour. This is a dynamic process that is influenced differently by the climatic conditions themselves and the exposure.
The current national regulations, data sheets, etc. apply.

Extender material breakdown:
When coated surfaces are exposed to mechanical stress, it is possible that for darker, intense colour shades the areas of impact change to a lighter colour. This is due to the natural extenders used. This does not impair the product quality or its functionality.

Colour consistency:
Due to the chemical and/or physical curing processes involved in different weathering and building conditions, it is not possible to guarantee colour consistency and freedom from stains, particularly in the case of:
a. uneven absorbency of the substrate
b. differences in the surface moisture of the substrate
c. strong variations in substrate alkalinity/ingredients
d. direct solar radiation with sharply delineated shadows forming on the freshly applied coating.

Emulsifier washouts:
Due to conditions which delay drying, surface effects (transparent streaks) can occur on coatings which are not yet fully dried during initial stages of weathering caused by dew, fog, splash water, or rain because of water-soluble processing aids. Depending on the colour shade intensity, this effect can occur to varying degrees. This does not constitute an impairment of product quality. These effects are normally removed automatically on further weathering.

EC DIRECTIVE 2004/42/CE

The SÜDWEST Drytec® product falls below the maximum VOC value of product category C (40 g/l) and is therefore VOC-compliant.

VDL (GERMAN PAINT AND PRINTING INK ASSOCIATION) DECLARATION

Polymer dispersion, titanium dioxide, mineral extenders, water, esters, glycols, alcohols, hydrophobic agents, anti-foaming agents, dispersing agents, thickeners, storage preservative based on CIT/MIT 3:1, storage preservative based on BIT/ZPT

GISCODE

BSW20

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

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

DISPOSAL

Dispose of empty containers at an authorised hazardous waste centre. The current legal requirements regarding disposal must be observed. Do not pour paint residues into wastewater.

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. (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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