SÜDWEST



TECHNICAL DATA SHEET

30041 RENOCRYL®

AREA OF APPLICATION

RenoCryl® is a high-quality, ready-to-use facade paint with a pure acrylate base, for all wall structures. The product is low-tension, has very high colour stability, is resistant to driving rain, and offers very good adhesion to the substrate. Available with additional film protection.

PROPERTIES

- Water-repellent
- Weather-resistant
- Resistant to driving rain
- Excellent adhesion
- Low-tension
- Water vapour permeable
-

COLOUR SHADE: 9110 white

ALL-COLOR FACTORY TINTING: more colour shades available.

CONTAINER: 1 l, 5 l, 12.5 l

COVERAGE: approx. 150 – 200 ml/m² per coating

GLOSS LEVEL: matt (in accordance with DIN EN 1062-1)

DENSITY: approx. 1.3 – 1.5 g/m³

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.

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.

PRIMER:

Substrates only need to be treated with deep penetrating primers if they have a normal, high, or varying absorption capacity and it is ensured that the SÜDWEST HydroGrund to be used can penetrate well. Deep penetrating primers must not form a layer on the substrate to be coated. Pre-coat weakly absorbent substrates such as existing, weathered facade paint coats with RenoCryl® diluted with 5 % water. For non-absorbent substrates, please seek a technical consultation. Prime mineral substrates such as lime-cement plaster, cement render, and mineral plaster with SÜDWEST Fixativ. Depending on their absorption capacity, pre-coat existing or new synthetic resin renders and dispersion facade paints with RenoCryl® diluted with 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).

APPLICATION

Paint, roll, or spray.
Apply two full coats of top paint coats undiluted. Depending on the residual absorbency of the substrate and/or the application temperature, the product may be diluted with a maximum of 5 % water. 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:

Nozzle: 4/17 – 4/25
Pressure: 80 – 100 bar
Please also pay attention to the equipment manufacturer’s recommendations when using in a spray process.

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

DILUTION:
Dilute max. 5 % with water.

TOOL CLEANING:
Clean with water after use. Collect the cleaning / rinsing water and dispose of it properly.

DRYING
(+20°C / 60 % rel. humidity)
Over-coatable: after 8 h

BUILDING PHYSICAL DATA
Water vapour diffusion-equivalent air layer thickness in accordance with ISO 7783-2 µ = 6,500
Water vapour diffusion-equivalent air layer thickness in accordance with DIN ISO 7783-2 1.2 m (class V 2, medium)
Water permeability rate in accordance with EN 1062-1: w <0.05 [kg/(m²*h$^{0.5}$)] (class W3, low)
Dry layer thickness in accordance with EN 1062-1: 170 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 facade A1 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. 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. There is an increased risk of algae and fungal attack on facade surfaces that are exposed to increased moisture due to their special project conditions (e.g. thermal insulation, open bodies of water, and/or trees and shrubs in the vicinity of the project, etc.). In such cases, we recommend using SÜDWEST RenoCryl® with film protection or SÜDWEST Lotusan Therm or SÜDWEST SiliconTherm. For surfaces that are affected by microbial attack before overcoating, we recommend cleaning and applying SÜDWEST Fungan®, SÜDWEST RenoCryl® with factory film preservation, SÜDWEST Lotusan Therm, or SÜDWEST SiliconTherm. 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.

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.

Warning!
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.

EC DIRECTIVE 2004/42/CE
The RenoCryl® product falls below the maximum VOC value of product category C (40 g/l) and is therefore VOC-compliant.

BIOCIDAL PRODUCTS REGULATION (528/2012)
This product is a "treated article" according to EU Regulation 528/2012 Art. 58(3) (not a biocidal product) and contains the following biocidal ingredients:
3-iodo-2-propinyl butyl carbamate, terbutryn, isoproturon, 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

VDL DECLARATION
Polymer dispersion, titanium dioxide, silicate extenders, mineral extenders, water, glycol ether, aliphatics, alcohols, thickeners, anti-foaming agents, dispersing agents, wetting agents, film preservative based on DCOIT / OIT storage protection agent based on BIT/MIT (1:1)

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 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 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. (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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