

Technical Data Sheet

DROPAN



High-quality water-repellent and permeable, silicone resin facade paint

Scope of application

Silicone resin facade paint for long-lasting facade protection with little tendency to getting dirty. Particularly also suitable for the renovation of stable old aerated concrete coatings on aerated concrete assembly components. The coating is additionally protected against premature algae and fungal attack. Substrates: stable emulsion paint and synthetic resin plaster coatings, dispersion silicate plasters and paints, suitable for common ETICS surface coatings such as synthetic resin, silicone resin, lime and lime-cement plasters.

Product features

- High water vapour diffusion
- Highest variety of colours
- Water repellent
- Sufficiently permeable to CO₂
- Water tight against heavy rain
- Resistant to alkaline
- With film protection against algae and fungal infestation (is available in encapsulated form. Thus, the active ingredient is prevented from washing out too quickly. Two-coat coating required.)

Values according to DIN EN 1062:

sd-Value	< 0.5 m	V2
w-Value	≤ 0.1 [(kg/(m ² · h ^{0.5})]	W3
Density:	ca. 1.5 g/cm ³	
Dry layer thickness	100–200 µm,	E ₃

V2 = mean water vapour diffusion
W3 = low water permeability

Colour stability according to BFS-leaflet No. 26:

Class: B

Group: 1–3, depending on tint **Long-life factor:**

SCHUTZ VOR :

Longlife-Faktor 16

REGEN		✓	✓	✓	✓	✓	✓	= 5
ALGEN UND PILZEN		✓	✓	✓	✓	✓	✓	= 4
VERSCHMUTZUNG		✓	✓	✓	✓	✓	✓	= 4
UV-STRAHLUNG		✓	✓	✓	✓	✓	✓	= 3

PROTECTION AGAINST:							Long-life factor 16	
RAIN								= 5
ALGAE AND FUNGI								= 4
DIRT								= 4
UV-RADIATION								= 3

Classification of scope of application

Exterior 1	Exterior 2	Interior 1	Interior 2	Interior 3
+	+	-	-	-

(-) not suitable / (o) partially suitable / (+) suitable

Classification according to climatic conditions of the scope of application. Please note the technical information "Classification of areas of application".

Gloss level

Matt (according to DIN EN13 300)

Material base

Silicone resin + pure acrylate dispersion

Tint

Mechanically using the KRAUTOL COLOUR mixing system of B1 and B3. Due to tint, deviations are possible in technical characteristics.

Processing type

Brushing or rolling.

The right tool

Property substrate [mm]	Pile height recommendation for Roll processing [mm]
Smooth	Use suitable short or medium pile paint rollers, such as KRAUTOL inner roller (15mm)
Slightly structured 1 -3	11-18 e.g. KRAUTOL inner roller (15mm)
Coarsely structured > 3	18-21 e.g. KRAUTOL padded facade roller (18mm)
Very coarsely structured ≥ 5	18-21 e.g. KRAUTOL padded facade roller (18mm)

Substrate

Substrates must be free of dirt, separating substances and be dry. Observe VOB Part C, DIN 18 363, paragraph 3.

New and existing, intact thermal insulation composite systems with surfaces made of synthetic resin,

silicate, silicone resin, lime-cement plaster (P II):

Wet-clean old plaster applying a suitable method. When cleaning with pressurized water jets with a maximum temperature of 60°C and a maximum pressure of 60 bar. Allow sufficient drying time after cleaning. Apply coating according to the existing type of finishing plaster and the subsequent substrate specification.

For areas affected by fungus and algae, remove the infestation by wet blasting in compliance with legal regulations, wash the surfaces and then allow them to dry thoroughly. Then apply coating as usual.

Areas affected by fungi and algae:

Remove by wet-blasting in compliance with legal regulations.

Wash surfaces with KRAUTOL-AP cleaner and allow to dry thoroughly.

Plasters of mortar groups PII and PIII or silicate plasters:

New plasters can be applied after a sufficient period, usually after 2 weeks, at approx. 20 °C and 65% rel. humidity. In unfavourable weather conditions, e.g. influenced by wind or rain, significantly longer downtimes must be observed. An additional primer coat with KRAUTOL MULTI TRANSITION PRIMER reduces the risk of lime efflorescence on alkaline finish plasters of plaster groups P II or P III, so that coating can be carried out after just 7 days. Not suitable on pure lime mortar (PI).

Stable emulsion paint coatings:

Clear dirty, chalky old paintwork using pressurized water jets in compliance with legal regulations. Apply primer coating.

Stable synthetic resin or silicone resin plaster coatings:

Clear old plaster by means of a suitable method. When wet-cleaning, allow the surfaces to dry thoroughly before further treatment

, and prime depending on the surface condition.

Non-stable, mineral coatings:

Remove completely by sanding, brushing, scraping, pressurized water jets in compliance with legal regulations or other suitable measures. When wet-cleaning, allow the surfaces to dry thoroughly before further treatment and prime them depending on the surface condition.

Mellow emulsion paints or synthetic resin plaster coatings:

Remove completely using a suitable method, e.g. mechanically or by stripping and subsequent cleaning with pressurized water jets in compliance with legal regulations. Apply a primer coat to weakly absorbent or smooth surfaces.

Surfaces with salt efflorescence:

Remove salt efflorescence by dry brushing. When coating surfaces with salt efflorescence, guarantee cannot be given for the long-term adhesion of the coating or the prevention of salt efflorescence.

Status: 01/2024

This Data Sheet is compiled based on the state of the art and our experience. However, in view of the variety of possible requirements and conditions for the respective object, your obligations to check our product(s) for their specific suitability for the intended purpose remain unaffected for you as user. Only the latest edition of the technical data sheet is valid. Please consult www.krautol.de to verify that this edition is up to date at.

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Paint system

- Signs of repairs on the surface depend on many factors and are therefore unavoidable (BFS Data Sheet 25).
- Prime strongly or inconsistently absorbent surfaces with KRAUTOL PENETRATING STOPPER PLUS.

DROPAN							Maximum dilution water [%]	
Substrate texture	Mould infestation	Primer coat	Hair-thin cracks	Penetrating materials	Product	Primer/pre-treatment alternative	First coat	Intermediate final coat
Greatly absorbent	AP CLEANER <input type="checkbox"/> <input type="checkbox"/> MUCOREX PLUS <input type="checkbox"/> <input type="checkbox"/> MUCOREX	PENETRATING STOPPER PLUS	FILLAN	MULTI TRANSITION PRIMER INSULATION PRIMER / SPRAY	DROPAN	/	10	5
Normal absorbent		PENETRATING STOPPER PLUS				PENETRATING STOPPER	10	5
weak absorbent		without, optional WP-UNI				PENETRATING STOPPER THIX	10	5
Non-absorbent		WP-UNI				MULTI TRANSITION PRIMER	10	5
Determination of absorbent behaviour	Wetting test with water and visual assessment							
Note	If a primer is not used, maximum dilution of 10% water is possible. As a levelling coat: At the earliest after the structural plaster has stood for at least 14 days (depending on the weather). One step is usually sufficient for levelling coats in plaster colour. Two coats of paint are required as primer coat and final coat to create a colourful design. To equalize the tint (levelling coat), dilute with a maximum of 3% water without additional primer. To maintain the structure of rough plaster surfaces, dilute the base coat with max. 15 - 20% and the topcoat with max. 10% water.							

Processing instructions

- To avoid build-up, apply coating wet-on-wet at once.
- Do not use on horizontal surfaces exposed to water.
- This product is equipped with special active ingredients to combat fungus and algae formation on the coating. This depot of active ingredients offers long-lasting, time-limited protection, the duration of which depends on object conditions, such as the severity of infestation and moisture content. Therefore, it is not possible to permanently prevent fungal and algae growth. **In order to achieve sufficient protection against algae and fungal infestation as well as optimal building physics values, at least 2 coats of KRAUTOL DROPAN must be applied.**
- With dark colours, mechanical stress can lead to light stripes (writing effect). This is a product-specific property of all matt facade paints.

- Lower temperature limit for processing and drying +5 °C for substrate.

Consumption

Approx. 160 ml/m² per operation on a smooth surface. Correspondingly more on rough surfaces. Please determine the exact consumption using a test coating.

Drying

At +20 °C and 65% relative humidity, surface is dry after approx. 12 hours and can be painted over. Dried and resilient after approx. 3 days. At lower temperatures and higher humidity, these durations are longer.

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Cleaning the tools

Clean with water immediately after use.

Storage

Store cool but frost-free.

Please note

Keep out of reach of children. If swallowed, seek medical advice immediately and show the packaging or label as the intestinal flora can be disrupted. Do not allow residues to enter drains/waterways or soil. Ensure thorough ventilation during processing and drying. Avoid eating, drinking and smoking while using the product. In case of contact with eyes or skin, rinse immediately with water. Do not allow to enter drains, waterways or soil. Clean tools with soap and water immediately after use. Use dust filter P2 for sanding work. Do not inhale spray mist. Use combination filter A2/P2. Safety data sheet available on request. Contains 1,2-benzisothiazol-3(2H)-on, 2-methyl-2H-isothiazol-3-on. Can cause allergic reactions.

This product is a "treated product" according to EU Regulation 528/2012 (not a biocidal product) and contains the following biocidal active ingredients:

Carbendazim (CAS No. 10605-21-7)

Isoproturon (CAS No. 34123-59-6)

Terbutryn (CAS No. 886-50-0)

Octylisothiazolinone (CAS No. 26530-20-1)

Allergy hotline

+ 49 (0) 800/1895000 (free from German landlines)

GISCODE for coating materials

BSW50

Product code for paints and varnishes (obsolete)

M-SF01 F

VOC content

EU limit for the VOC content of this product (Cat. A/c): 40 g/l (2010). This product contains a maximum of 2 g/l VOC.

Disposal

Only completely empty containers may be recycled. Dispose of contents and container in accordance with local, regional, national and international regulations. Dispose of liquid material residues at the collection point for waste paints/varnishes, dried material residues as construction and demolition waste or as municipal or household waste.

Container sizes

	2.5L	5 L	10 L	12.5 L
White	•	•	•	•
B1	•	•		•
B3	•	•		•

Factory tint				•
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