Ralston Siloxan Matt [1]

Excellent vapour permeable, weather resistant and easy to clean, mat facade paint based on siloxan modified acrylic dispersion.

- High water vapour permeability
- Water resistant and self cleaning (pearl effect)
- Anti algae and anti moss
- Long colour durability
- Excellent outdoor durability
- Good hiding power

www: Ralston Siloxan Matt [1]

Application

Situation	Exterior, interior
Application	On isolated facades and exterior stony surfaces such as concrete, masonry, plaster and sheet material. For exterior use. If necessary, pre-treat with Ralston Siloxan Primer.

Colors

Colours	All colours available via the Ralston AQ colour mixing system. All colours available via the Ralston UNI Plus colour mixing system.

Performance and features

Binder	Siloxane modified acrylate dispersion
Pigment	High quality pigments
Density at 20°C	Approx. 1.5 kg/dm3
Solids content	Approx. 55 volume %
Drying time (20°C / 65% R.H.)	Dust-free after approx.1 hr, recoatable after approx. 16 hr. Drying times are average values and provided as an indication only; actual drying time will depend on weather conditions, film thickness and choice of colour. Darker colours, applied in lower temperatures will take longer to dry than whites and lighter colours.
Gloss level	Perfectly matt, approx. 1 G.U. at 85°
Scrub resistance	Class 1, as per DIN EN 13 300 after 28 days.
Covering class	Class 1 at economic use of 6 - 8 m2/l as per EN ISO 6504-3 and DIN EN 13 300
Water vapour permeability (SD-value)	sd-value = 0.02 m, class V1: high (SD value < 0.14 m), as per DIN EN 1062-1 and EN ISO 7783-2
Water permeability	W = 0.08 kg/(m2 x h0.5), class W3: low (≤ 0.1), as per EN 1062-1
Water vapour diffusion resistance	V = 807 g/m2 x d, class V1: high (µd value ≥ 150), as per DIN EN 1062-1

NOTE: The properties and specifications can vary depending on the colour. The values stated are typical.

Processing

Spray data air-assisted airless - pressure	12 - 15 MPa (120 - 150 bar), air support approx. 0,2 MPa (approx. 2 bar)
Spray data air-assisted airless - nozzle	0,018 - 0,021 inch
Spray data air-assisted airless - dilution	max. 10% water
Dilution	Ready to use. If necessary, dilute sparingly with water.
Tools/equipment cleaning	Water.
Application temperature / R.H.	Min. 5 ambient and substrate temp., relative humidity max. 85%.
Theoretical coverage	6 - 8 m2/l
Practical coverage	Per layer 6 - 8 m2/l by roller, depending on the porosity and structure of the substrate. If in doubt, determine on a test area.
Mixing	Stir thoroughly before use. The application of a 'full' layer gives a long 'open time' which, combined with 'wet in wet' application, results in a finish that is free of 'lap marks'.

Maintenance

Maintenance interval	Approx. 5 - 7 years Depending on location/ situation, surface to be treated, construction system, applied paint system and colour, mechanical impacting, etc.. The annual cleaning and touching up of damage prolongs the condition of the substrate and the paintwork.

Environment and Health

Flash point (°C)	Not applicable.
Safety instructions	The user is subject to the national legislation regarding safety, health and environment. For more information and current data, see the latest version of the Safety Data Sheet.
EU limit value VOC	EU limit value for this product A/a: 30 g/l 2010. This product contains a maximum of 30 g/l VOCs.
BREEAM	We herewith conform that our product can be used in compliance with BREEAM International New Construction. As per HEA 9, requirend evidence – completion phase: C 1.1 through to 1.8; in evidence of compliance, the following must be submitted: 1. VOS Volatile Organic Substance content as determined by product recipe. 2. Products grouped by category in accordance with European Decopaint Directive 2004/42/EC – Enclosure 2: Emission norm for paints, lacquers and clear finishes, phase 2. 3. EU limit value for this product A/a: 30 g/l 2010. This product contains a maximum of 30 g/l VOCs. We apply the above harmonization procedure as recommended by the Dutch Green Building Council.
Belgian emission label	The product complies with the limit values and other stipulations of the Royal Decree of 8 May 2014, which defines the threshold levels for emissions to the internal environment from construction products for designated, specific uses, as published in the Belgian Government Gazette of 8 August 2014.
French emission label	A+

Item details

Packaging	2.5L, 10L

Storage	Cool and above freezing point; do not allow product quality to deteriorate during storage.
Shelf life	Use within 24 months of the date charge no. stated on the pack figures 1 and 2 = year, figures 3 and 4 = month, 5 and 6 = day of the month. Assumes unopened product. After opening the packaging, the effect of 'preservatives' in the paint may be reduced. In exceptional cases, this can give bacteria and moulds free rein from outside, which could spoil the product.

System structure

New, exterior, untreated, masonry

- remove loose parts and any cement skin
- repair where necessary
- pre-treat slightly powdery and/or absorbent substrates with Ralston Siloxan Primer
- treat entire surface with Ralston Siloxan Matt [1]
- treat entire surface with Ralston Siloxan Matt [1]

Existing, exterior, treated, masonry

- remove unsound paint coats
- repair where necessary
- pre-treat patches with Ralston Siloxan Primer
- treat patches or entire surface with Ralston Siloxan Matt [1]
- treat entire surface with Ralston Siloxan Matt [1]

Existing, exterior, treated, masonry

- remove unsound paint coats
- repair where necessary
- pre-treat patches with Ralston Siloxan Primer
- treat entire surface with Ralston Siloxan Matt [1]

General remarks on paint systems and preparation
These remarks on paint application and maintenance are only general. The appropriate paint system to be applied will depend on both the substrate and the requirements to be met by the paintwork.

Regularly clean and repair any damage to paintwork
Regularly (preferably annually), clean the paintwork and repair any physical or other damage to the substrate or paintwork. This will have a beneficial effect on the condition of the painted object and its paint coating.

Adhesion between paint layers
Always sand or de-gloss between paint coating layers. This is essential for good adhesion of each new layer to the previous layer (with the exception of wall paints).

Regularly check the dew point
When working in lower temperatures, check the dew point frequently. Never apply new paint/coating onto a substrate with condensation (dew). If you do so, the adhesion and film formation will be degraded. Moisture also causes poor drying, and can ruin the gloss.

Repairs and compatibility with paint
Repairs to substrates, paintwork, connection joints/seams and glazing systems must be carried out with the appropriate products in accordance with the manufacturer's instructions. For wood repair, we prefer wood repair products based on epoxy or polyurethane and for sealing glazing joints to the Soudal Glaskit TS. The Soudal Acryrub CF2 can be used to seal joints and seams in interior wall paintwork. Prior to the commencement of the painting work, assess the mutual tolerance of the products to be applied.

Pretreatment of masonry
Stony substrates must be solid, load-bearing, sufficiently cured and clean before treatment. Remove any cement/laitance that may be present on cementitious substrates. Cement-bound substrates must be approx. 28 days old before applying a paint or coating. Plaster-bound substrates to be treated may contain max. 2% moisture and other stony substrates max. 4%.

NF DTU 42.1

The substrates must comply with the relevant DTU standards, particularly NF DTU 42.1. Prior assessment is necessary to determine the most suitable preparation based on their condition and nature (cleaning, washing/rinsing, sanding, scraping, degreasing, dulling, dusting...).

Ralston Colour & Coatings B.V.
Part of Royal Van Wijhe Verf

Russenweg 14
P.O. Box 205
8000 AE Zwolle
Netherlands

T +31(0)38 - 429 11 00
F +31(0)38 - 421 04 14
E info@ralstoncolour.com
W www.ralstoncolour.com

CoC Nr.
05063230