

Product Data Sheet

Ralston UniPlex Extra



Excellent weather resistant and easy to clean, semi-mat, facade paint based on acrylic dispersion.

- Excellent outdoor durability
- Cleans very well
- Excellent application properties

[productpage Ralston UniPlex Extra](#)

Intended use

Exterior
Interior

On exterior stony surfaces such as concrete, masonry, plaster and sheet material.

Colors

Colours

White, other colours available through the Ralston AQ colour mixing system.
White, other colours available through the Ralston UNI Plus colour mixing system.

Performance and features

Binder	Acrylate dispersion
Pigment	High quality pigments
Density at 20°C (kg/dm ³), approx.	1.35
Viscosity at 20°C (K.U.) , approx.	125
Solids content (volume %) , approx.	45
Drying time (20°C / 65% R.H.)	Dust-free after approx.2 hr, recoatable after approx. 8 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	Semi-matt, approx. 8 G.U. at 85°
Scrub resistance value	1
Covering class value	1
Water vapour permeability (SD-value)	sd-value = 0.34 m, class V2: average (SD value 0.14 to 1.4 m), as per EN 1062-1
Water permeability	W = 0.02 kg/(m ² x h0.5), class W3: low (≤ 0.1), as per EN 1062-1
Water vapour diffusion resistance	V = [WaterVapourDiffusionResistanceValue] g/m ² x d, class V2: average (µd value 15 to 150), as per EN 1062-1
CO ₂ diffusion (µd CO ₂)	C1, as per EN 1062-1

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

Processing

Application tool	brush roller air-assisted airless
Spray data air-assisted airless - pressure	11 - 13 MPa (110 - 130 bar), air support approx. 0,2 MPa (approx. 2 bar)
Spray data air-assisted airless - nozzle	0,018 - 0,021 inch 0,46 - 0,53 mm
Spray data air-assisted airless - dilution	approx. 5% water
Dilution	Ready to use. If necessary max. 5% water.
Tools/equipment cleaning	Water.
Application temperature / R.H.	Min. 8 ambient and substrate temp., relative humidity max. 85.
Theoretical coverage (m ² /l)	6 - 8
Practical coverage	6 - 8 m ² /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 (years)	Approx. 4 - 6 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.
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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 confirm that our product can be used in compliance with BREEAM International New Construction. As per HEA 9, required 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+

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Item details F&O

Packaging (l)	1, 2.5, 5, 10
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 composition - advices

New, exterior, untreated, masonry

- remove loose parts and any cement skin
- repair where necessary
- pre-treat slightly powdery and/or absorbent substrates with Ralston Wall Primer
- treat entire surface with Ralston UniPlex Extra
- treat entire surface with Ralston UniPlex Extra

Existing, exterior, treated, masonry

- remove unsound paint coats
- repair where necessary
- pre-treat patches with Ralston Wall Primer
- treat patches or entire surface with Ralston UniPlex Extra
- treat entire surface with Ralston UniPlex Extra

Existing, exterior, treated, masonry

- remove unsound paint coats
- repair where necessary
- pre-treat patches with Ralston ColourPrime
- treat entire surface with Ralston UniPlex Extra

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%.

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