

Product Data Sheet

Ralston Aqua 2-in-1 Spray Satin



Mild satin gloss primer and topcoat in a single high-quality, water-dilutable paint for air-assisted spray application, based on a specially modified alkyd emulsion.

- One-pot-system
- Very good hiding power
- Fast-drying
- Low propensity to run and good (edge) coverage
- Good flow characteristics and good filling power
- Universal recoatable
- Resistant to skin oils from handling

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Intended use

Interior

Indoors as primer and topcoat on new and existing wood substrates and suitably prepared metal and plastic.

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	Alkyd emulsion
Pigment	High quality pigments and fillers
Density at 20°C (kg/dm ³), approx.	1.25
Viscosity at 20°C (K.U.) , approx.	98
Solids content (volume %) , approx.	41
Drying time (20°C / 65% R.H.)	Dust-free after approx. 0.75 hr, second coat may be applied after approx. 4 hr. The stated drying times are typical and depend on such factors as temperature, humidity and the colour used. At low temperatures, darker colours have longer drying times than white and light colours.
Elasticity (mm)	7
Gloss level	Mild satin gloss, approx. 25 G.U. at 60°

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

Processing

Application tool	air-assisted airless
Spray data air-assisted airless - pressure	3 - 4 MPa (30 - 40 bar), air support approx. 0,12 MPa (approx. 1,2 bar)
Spray data air-assisted airless - nozzle	0,009 - 0,011 inch

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Spray data air-assisted airless - dilution	none Adjust spray angle and nozzle for the object to be sprayed. Warning: do not use hot airless spray!
Dilution	Ready to use. If necessary, dilute sparingly with water.
Tools/equipment cleaning	Hot Water.
Application temperature / R.H.	Min. 7 - max. 25 ambient and substrate temp., relative humidity max. 85.
Theoretical coverage (m ² /l)	6.3
Practical coverage	60 - 85% of the theoretical coverage, depending on the application method, nature of the substrate and shape of the object to be sprayed overspray.
Film thickness	60 microns dry film thickness = approx. 162 microns wet film thickness
Mixing	Stir thoroughly before use.

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/d: 130 g/l 2010. This product contains a maximum of 130 g/l VOCs.
BREEAM	We herewith conform 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/d: 130 g/l 2010. This product contains a maximum of 130 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 (l)	10
Storage	Cool and above freezing point do not allow product quality to deteriorate during storage.
Use within	12 Months in unopened packaging. 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, interior, untreated, wood

- clean / degrease and sand
- prime with Ralston Aqua 2-in-1 Spray Satin
- finish with Ralston Aqua 2-in-1 Spray Satin

Existing, interior, treated, wood

- remove unsound paint coats
- clean / degrease and sand / rub down gloss thoroughly
- prime/ pre-finish partially or entirely with Ralston Aqua 2-in-1 Spray Satin
- finish with Ralston Aqua 2-in-1 Spray Satin

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.

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).

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, wooden substrates

Remove dirt and any weathered and/or degraded parts from wood and wood-based panels prior to application of the paint system in order to obtain a clean and sound substrate. By rounding off sharp edges, a longer protection of the substrate is obtained. Wood may contain up to 18% moisture during treatment.

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