Ralston COLOUR & COATINGS

Product Data Sheet

Ralston Uni-Primer

Fast-drying, universal anticorrosive primer based on alkyd resin.

ralstoncolour.com /picto

- Good adhesion
- Anticorrosive
- Easy to apply
- Suitable in combination with all paint systems
- Good flow and (edge) coverage
- Fast-drying

PRODUCT

INTENDED USE	Exterior and interior, as a universal primer on (pre-treated) metal, plastic and wood.
SITUATION	Exterior Interior
PACKAGING	500 ml, 1 l, 2.5 l
COLOURS	White, other colours available through the Ralston ALK colour mixing system
GLOSS LEVEL	Matt, approx. 10 G.U. at 60 °
HOLD-OVER TIME	Approx. 3 months (depending on film thickness and substrate)
BINDER	Alkyd resin
PIGMENT	High quality pigments and fillers
SOLIDS CONTENT	Approx. 44 volume %
DENSITY AT 20 °C	Approx. 1,21 kg/dm3
VISCOSITY AT 20 °C	Approx. 93 K.U.
DRYING TIME	Drying time (20 °C / 65 % R.H.): dust-free after approx. 0,5 hr; tack-free approx. 3,45 hr; recoatable approx. 5 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.
HEAT RESISTANCE	110° maximum under dry heat exposure.

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

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APPLICATION

APPLICATION BY	brush, roller, air spray, air-assisted airless
SPRAY DATA	

	air spray
Pressure	0,3 - 0,4 MPa (3 - 4 bar)
Orifice	1,5 - 2 mm
Dilution	5 - 8 % naphtha
	air-assisted airless
Pressure	15 - 18 MPa (150 - 180 bar)
Orifice	0,016 - 0,021 inch (0,41 - 0,53 mm)
Dilution	0 - 5 % naphtha

DILUTION	Ready to use. If necessary, dilute sparingly with white spirit or naphtha.
TOOLS/EQUIPMENT CLEANING	White spirit or naphtha.
APPLICATION TEMPERATURE / R.H.	Min. 5 °C ambient and substrate temp., relative humidity max. 85 %. Substrate temperature min. 3 °C above dew point.
THEORETICAL COVERAGE	11,4 m2/l
FILM THICKNESS	35 microns dry film thickness (= approx. 90 microns wet film thickness)

Check the dew point regularly when applying at low temperatures. With wood and metal substrates, this can have a major influence on the ability to apply the coating, as well as on the drying and gloss of the applied coating.

ENVIRONMENT AND CERTIFICATION

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/i: 500 g/l (2010). This product contains a maximum of 500 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/i: 500 g/l (2010). This product contains a maximum of 500 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

STORAGE AND USE PERIOD

STORAGE	Cool and above freezing point; do not allow product quality to deteriorate during storage.
USE WITHIN	Use within 24 months of the date (charge no.) stated on the pack (figures 1 and 2 = year, figures 3 and 4 = week). Assumes unopened product.

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SYSTEM COMPOSITION - ADVICES

New, exterior, untreated, non-ferrous metal (galvanised steel, aluminium, copper)
- remove all traces of oxidation thoroughly, clean / degrease and sand
- prime with Ralston Uni-Primer
- pre-finish with Ralston 4S Wood-Primer
- finish with Ralston Red label paints

New, exterior, untreated, exterior, ferrous metal (steel and iron)
- remove all traces of rust, clean / degrease and sand
- apply 2 coats of primer Ralston Uni-Primer
- pre-finish with Ralston 4S Wood-Primer
- finish with Ralston Red label paints

New, interior, untreated, non-ferrous metal (galvanised steel, aluminium, copper)
- remove all traces of oxidation thoroughly, clean / degrease and sand
- prime with Ralston Uni-Primer
- pre-finish with Ralston 4S Wood-Primer
- finish with Ralston Red label paints

New, interior, untreated, ferrous metal (steel and iron)
- remove all traces of rust, clean / degrease and sand
- apply 2 coats of primer Ralston Uni-Primer
- pre-finish with Ralston 4S Wood-Primer
- finish with Ralston Red label paints

New, exterior, untreated, plastics (hard PVC)
- clean / degrease thoroughly, and sand
- prime with Ralston Uni-Primer
- finish with Ralston Red label paints

New, interior, untreated, plastics (hard PVC)
- clean / degrease thoroughly, and sand
- prime with Ralston Uni-Primer
- finish with Ralston Red label paints

Existing, exterior, treated, non-ferrous metal (galvanised steel, aluminium, copper)
- remove unsound paint coats
- remove all traces of oxidation thoroughly, clean / degrease and sand
- prime bare patches with Ralston Uni-Primer
- pre-finish patches or entire surface with Ralston 4S Wood-Primer
- finish with Ralston Red label paints

Existing, exterior, treated, exterior, ferrous metal (steel and iron)
- remove unsound paint coats
- remove all traces of rust, clean / degrease and sand
- prime bare patches 2x with Ralston Uni-Primer
- pre-finish patches or entire surface with Ralston 4S Wood-Primer
- finish with Ralston Red label paints

Existing, interior, treated, non-ferrous metal (galvanised steel, aluminium, copper)
- remove unsound paint coats
- remove all traces of oxidation thoroughly, clean / degrease and sand
- prime bare patches with Ralston Uni-Primer
- pre-finish patches or entire surface with Ralston 4S Wood-Primer
- finish with Ralston Red label paints

Existing, exterior, treated, exterior, ferrous metal (steel and iron)
- remove unsound paint coats
- remove all traces of rust, clean / degrease and sand
- prime bare patches 2x with Ralston Uni-Primer
- pre-finish patches or entire surface with Ralston 4S Wood-Primer
- finish with Ralston Red label paints

Existing, exterior, treated, plastics (hard PVC)
- remove unsound paint coats
- clean / degrease thoroughly, and sand
- prime/ pre-finish partially or entirely with Ralston Uni-Primer
- finish with Ralston Red label paints

Existing, interior, treated, plastics (hard PVC)
- remove unsound paint coats

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- clean / degrease thoroughly, and sand
- prime/ pre-finish partially or entirely with Ralston Uni-Primer
- finish with Ralston Red label paints

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.

For treatment, metal substrates
Remove rust and zinc salts thoroughly, so that an oxidation-free surface is obtained. Immediately after de-rusting / sanding, degrease and apply a primer layer. Degrease new hot-dip galvanised steel and aluminium before applying a primer coat and then blast lightly with a fine non-metallic abrasive using appropriate pressure.

Painting of synthetic substrates
There is
no suitable paint system for synthetic materials such as PE and PP.

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