

Product Data Sheet

Ralston UNI Plus colourant 100 – 200 series

VOC free universal colourants for water-based and solvent based architectural paints. For in-plant or point of sales POS tinting systems.



UNI	Colour	Pigment index	Pigment content of colourant (%)*	Density at 20°C (kg/l)	Light fastness of pigment BlueWool scale 1-8 ** 1=very poor, 8=excellent		Weather fastness of pigment ISO grey scale 1-5 ** 1=obvious change, 5=no change	
					Full shade (Pure)	Reduction (1/25)	Full shade (Pure)	Reduction (1/25)
UNI 100	White	PW6	60	1.96	8	8	5	5
UNI 110	Organic Yellow	PY74	55	1.27	7 - 8	6 - 7	4 - 5	3
UNI 112	Exterior Yellow	PY154	35	1.15	8	7 - 8	5	4 - 5
UNI 120	Organic Orange	P05	45	1.23	7	5	3 - 4	2
UNI 121	Exterior Orange	P073	35	1.13	8	7 - 8	5	4 - 5
UNI 130	Organic Red	PR112	40	1.11	7 - 8	6	4 - 5	3
UNI 133	Exterior Red	PR254	40	1.24	8	8	5	4 - 5
UNI 140	Magenta	PR122	25	1.13	8	7 - 8	4 - 5	4
UNI 141	Blue Violet	PV23	20	1.09	8	7 - 8	4 - 5	4
UNI 150	Phthalic Blue	PB15:3	35	1.24	8	8	5	5
UNI 152	Cobalt Blue	PB28	55	1.85	8	8	5	5
UNI 160	Phthalic Green	PG7	40	1.34	8	8	5	5
UNI 161	Oxide Green	PG17	50	1.7	8	8	5	5
UNI 170	Oxide Yellow	PY42	50	1.71	8	8	5	5
UNI 171	Bismuth Yellow	PY184	50	1.78	8	8	5	4 - 5
UNI 173	Oxide Orange	PY42	45	1.6	8	8	5	5
UNI 180	Oxide Red	PR101	60	2.13	8	8	5	5
UNI 190	Oxide Black	PBk11	20	1.48	8	8	5	5
UNI 200	Black	PBk7	20	1.25	8	8	5	5
UNI 97	Transparent Yellow	PY42	30	1.27	8	8	5	5
UNI 98	Transparent Red	PR101	25	1.29	8	8	5	5

* Delivery specifications are based on colour strength on volume. Therefore pigment contents mentioned are indicative.

** All data according to pigment suppliers; variation not only due to pigment chemistry but also exposure conditions, substrate and coating influences fastness. The values should be used as guidelines, testing is recommended.

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- High compatibility in many different paint chemistries
- Optimized pigment content for high opacity
- High stability in canister
- No foaming after mixing
- VOC free
- Produced in own factory in the Netherlands
- Very high batch-to-batch consistency
- Prepared for future legislation

Intended use

Ralston UNI Plus colourants are recommended for tinting of water-based and solvent based enamels and wall paints, in-plant or point of sales (POS) tinting systems.

Usage

Compatibility

The colourants are compatible with many architectural paints. However, it is recommended to test the compatibility.

Suitable for the colouring of

- Solvent based long oil alkyd paints
- Solvent based medium oil alkyd paints
- Solvent based silicon alkyd paints
- Solvent based high solid alkyd paints
- Linseed oil paints
- Solvent based epoxy-ester paints
- Solvent based vinyl and acrylic paints
- Solvent based chlorinated rubber paints
- Water based acryl copolymers wallpaints
- Water based decorative plasters
- Water based silicate wallpaints
- Water based bio-based wallpaints
- Water based acrylic and PU-acrylic paints
- Water based alkyd emulsion and hybrid paints
- Solvent based short oil alkyd paints

Instructions for use

The colourants are ready for use and may not be diluted when used in the tinting system. Shake well before use.

Basic data

Viscosity at 20°C

65 - 105

Dependent on colourant.

Fineness

< 15 µm

Colour strength

Based on volume with a tolerance < 3 %.

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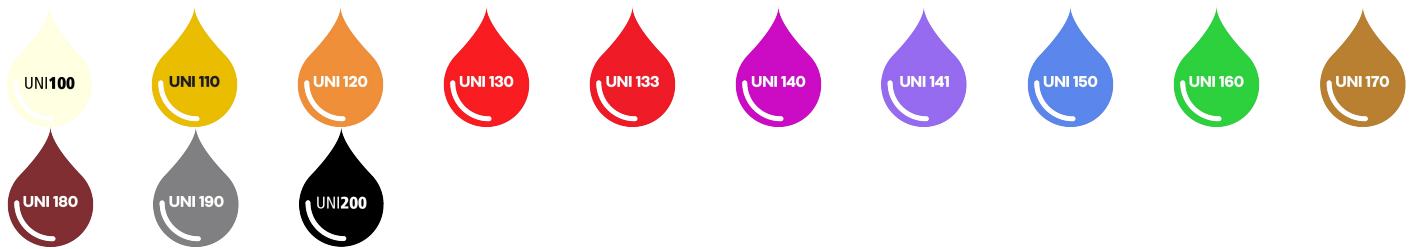
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Modular system

The colourants have been selected to obtain the widest possible colour range in both Interior and Exterior paints. Starting from only 12 colourants (Deco Standard). For this selection we have over 150.000 colour formulations immediately available. For higher demanding paint applications especially Exterior use, we have the option to add specific colourants. These colourants are grouped in modules with available colour formulas. The selection of these modules depends on the type of paints to be tinted, the selected dispensing machine, number of canisters and cost.

Deco Standard module

These colourants have been selected for the widest possible colour range.



Deco UV Plus module

High quality organic pigments for increased durability, especially in the bright yellow and orange colour area.



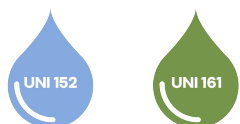
Deco Façade module

High performance inorganic pigments for increased outdoor durability combined with a good alkali resistance, for specific use in silicate paints and plasters.



Deco Façade A1 module

To include green and blue colour tones with only inorganic pigments.



Deco Wood Stains module

Transparent iron oxides for tinting of woodstains.



Environment and Health

Flash point (°C)

Not applicable.

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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.

Item details

Packaging (l)

1

Storage

In unopened, original package at a cool 5 - 35°C, dry and frost-proof area.

Use within

24 Months in unopened packaging.

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