

Waterborne Colorants **FOR ARCHITECTURAL COATINGS**



what is precious to you?

Colorants for waterborne ARCHITECTURAL COATINGS

“Our broad range of colorants provides high quality and right color accuracy for modern architectural coatings.”



Our waterborne Colorants are designed for In-Plant, Depot and Point-of-Sale tinting, delivering:

- Optimized **rheology** profile for application in tinting machines for **accurate dosing** and **excellent storage stability**
- The right pigment content for **optimum coloration cost-efficiency** and **tinting accuracy**
- Suitability tested in a **variety** of commercial paint systems
- Excellent foaming behavior for a **stable density**
- Well balanced biocide set-up to **ensure microbiological stability**

All products AT A GLANCE

WATER-BASED APPLICATIONS

| Shade depths | Shade depths | Colour Index C.I. | Colorant code | Product number | Product name | Notes/individual recommendations |
|--------------|--------------|-----------------------|---------------|----------------|-------------------------------------|----------------------------------|
| TT | ST 1/2s | | | | | |
| | | P. Y. 74 tr | CGX | 311423 | COLANYL [®] YELLOW 5GX 530 | |
| | | P. Y. 97 | CFL | 311424 | COLANYL YELLOW FGL 531 | |
| | | P. Y. 154 | CH | 311426 | COLANYL YELLOW H3G 530 | |
| | | P. Y. 74 op | CXD | 311421 | COLANYL YELLOW 2GXD 530 | |
| | | P. Y. 83 | CHR | 311427 | COLANYL YELLOW HRD 530 | |
| | | P. O. 5 | CGG | 311416 | COLANYL RED GG 531 | |
| | | P. R. 168 | CS | 311418 | COLANYL SCARLET GO 532 | |
| | | P. R. 188 | CHF | 311417 | COLANYL RED HF3S 530 | |
| | | P. R. 254 | CDG | 320374 | COLANYL RED D3GD 532 | |
| | | P. R. 112 | CFT | 311414 | COLANYL RED FGR 531 | |
| | | P. V. 19 | CEB | 311413 | COLANYL RED E3B 531 | |
| | | P. R. 122 | CPW | 311429 | COLANYL PINK E-WD 531 | |
| | | P. R. 122 | CPI | 311419 | COLANYL PINK E 532 | |
| | | P. V. 23 | CVR | 311430 | COLANYL VIOLET RL 532 | |
| | | P. V. 23 | CVRD | 311431 | COLANYL VIOLET RL 551 | |
| | | P. B. 15:1 | CAR | 311394 | COLANYL BLUE A2R 531 | |
| | | P. B. 15:3 | CBB | 311395 | COLANYL BLUE B2G 530 | |
| | | P. B. 15:3 | CBBD | | COLANYL BLUE B2G 550 | |
| | | P. G. 7 | CGN | 311478 | COLANYL GREEN GG 531 | |
| | | P. G. 7 | CGND | | COLANYL GREEN GG 550 | |
| | | P. Bk. 7 | CBN | 311383 | COLANYL BLACK N 530 | |
| | | P. Bk. 7 | CBND | | COLANYL BLACK N 550 | |
| | | P. Y. 184 | CBV | 311411 | COLANYL OXIDE YELLOW BV 531 | |
| | | P. Y. 42 | COY | 311412 | COLANYL OXIDE YELLOW R 532 | |
| | | P. R. 101 (yellowish) | CRG | 311410 | COLANYL OXIDE RED G 531 | |
| | | P. R. 101 (bluish) | COR | 311409 | COLANYL OXIDE RED B 531 | |
| | | P. B. 28 | CBC | 311401 | COLANYL OXIDE BLUE COR 531 | |
| | | P. G. 17 | COG | 311403 | COLANYL OXIDE GREEN G 531 | |
| | | P. Bk. 11 | COB | 311399 | COLANYL OXIDE BLACK B 533 | |
| | | P. G. 17 | CIR | 316607 | COLANYL OXIDE BLACK IR 531 | |
| | | P. W. 6 | CWM | 311420 | COLANYL WHITE R 530 | |

COLORISTIC SPECIFICATIONS

Colanyl 500

| | |
|----------------------------|-------|
| Gravimetric color strength | ± 2% |
| Volumetric color strength | ± 3% |
| dH | ± 0.4 |
| dC | ± 0.6 |
| dE | ≤ 0.7 |

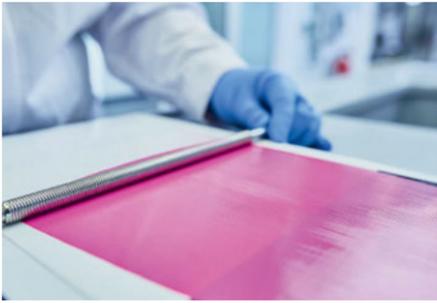
You want to formulate modern low VOC Architectural Coatings?

We have the right product range for that: Colanyl 500!

Colanyl 500 is a waterborne, resin- and VOC-free range of pigment preparations, that combines advantages of broad compatibility in waterborne architectural paints & plasters and suitability for either Point-of-Sale and In-Plant tinting.

Colanyl 500 is manufactured without using alkyl phenol ethoxylated additives (APEO) and meets the requirements of the official VOC test norm DIN EN ISO 11890-2 (Directive 2004/42/EC).

Product PROPERTIES



“Our experienced team works in close partnership with you to support every step in your process.”



BENEFITS

- Well balanced mixture of high and medium pigment content for economical coloring
- Optimized preservation and minimized settling behavior for a **long shelf life of up to 2 years**
- **Narrow specifications** for coloristic values, tinting strength, rheology and density
- **Broad compatibility** in waterborne paints
- No impact on film hardness or abrasion resistance
- Stability against freezing and thawing
- **Good hiding power** even in light color areas

Technical DATA

WATER-BASED APPLICATIONS

| Shade depths | Shade depths | Colour Index C.I. | Colorant code | Product number | Pigment content % | Density g/cm ³ | Weathering fastness | |
|--------------|--------------------|-----------------------|---------------|----------------|-------------------|---------------------------|---------------------|--------------------|
| | | | | | | | TT | ST ^{1/25} |
| TT | ST ^{1/25} | | | | | | | |
| | | P. Y. 74 tr | CGX | 311423 | 40 | 1.14 | 3-4 | 2 |
| | | P. Y. 97 | CFL | 311424 | 38 | 1.15 | 4-5 | 3-4 |
| | | P. Y. 154 | CH | 311426 | 30 | 1.13 | 5 | 5 |
| | | P. Y. 74 op | CXD | 311421 | 41 | 1.19 | 4 | 3 |
| | | P. Y. 83 | CHR | 311427 | 50 | 1.18 | 4 | 3 |
| | | P. O. 5 | CGG | 311416 | 45 | 1.24 | 3-4 | 3 |
| | | P. R. 168 | CS | 311418 | 36 | 1.24 | 5 | 5 |
| | | P. R. 188 | CHF | 311417 | 40 | 1.18 | 3-4 | 3-4 |
| | | P. R. 254 | CDG | 320374 | 50 | 1.24 | 4-5 | 4 |
| | | P. R. 112 | CFT | 311414 | 47 | 1.20 | 4 | 3 |
| | | P. V. 19 | CEB | 311413 | 30 | 1.14 | 4d | 4-5 |
| | | P. R. 122 | CPW | 311429 | 32 | 1.14 | 4d | 4-5 |
| | | P. R. 122 | CPI | 311419 | 20 | 1.08 | 4d | 4-5 |
| | | P. V. 23 | CVR | 311430 | 30 | 1.12 | 4-5 | 4 |
| | | P. V. 23 | CVRD | 311431 | 15 | 1.32 | 4-5 | 4 |
| | | P. B. 15:1 | CAR | 311394 | 40 | 1.20 | 5 | 4-5 |
| | | P. B. 15:3 | CBB | 311395 | 45 | 1.23 | 5 | 4-5 |
| | | P. B. 15:3 | CBBD | | 23 | 1.43 | 5 | 4-5 |
| | | P. G. 7 | CGN | 311478 | 50 | 1.34 | 5 | 4-5 |
| | | P. G. 7 | CGND | | 25 | 1.50 | 5 | 4-5 |
| | | P. Bk. 7 | CBN | 311383 | 43 | 1.28 | 5 | 5 |
| | | P. Bk. 7 | CBND | | 22 | 1.47 | 5 | 5 |
| | | P. Y. 184 | CBV | 311411 | 65 | 2.22 | 5 | 5 |
| | | P. Y. 42 | COY | 311412 | 64 | 2.00 | 5 | 5 |
| | | P. R. 101 (yellowish) | CRG | 311410 | 65 | 2.16 | 5 | 5 |
| | | P. R. 101 (bluish) | COR | 311409 | 70 | 2.35 | 5 | 5 |
| | | P. B. 28 | CBC | 311401 | 62 | 1.96 | 5 | 5 |
| | | P. G. 17 | COG | 311403 | 75 | 2.59 | 5 | 5 |
| | | P. Bk. 11 | COB | 311399 | 53 | 1.80 | 5 | 5 |
| | | P. G. 17 | CIR | 316607 | 70 | 2.38 | 5 | 5 |
| | | P. W. 6 | CWM | 311420 | 65 | 2.04 | 5 | 5 |

Shade depths: TT = deep shade
ST ^{1/25} = ^{1/25} standard depth

Weather fastness: Fastness to weathering is a property of a pigment that describes how resistant to fading or the change of color when it is exposed to weathering in a defined paint system. The paint system used is a binder rich aqueous facade paint based on vinyl acetate. The evaluation was done according to DIN EN 2015-A02 (5-step "Grey scale for assessing change of shade") after 12 month outdoor weathering.

Suggestion FOR A 16 CANISTER SET

WATER-BASED APPLICATIONS

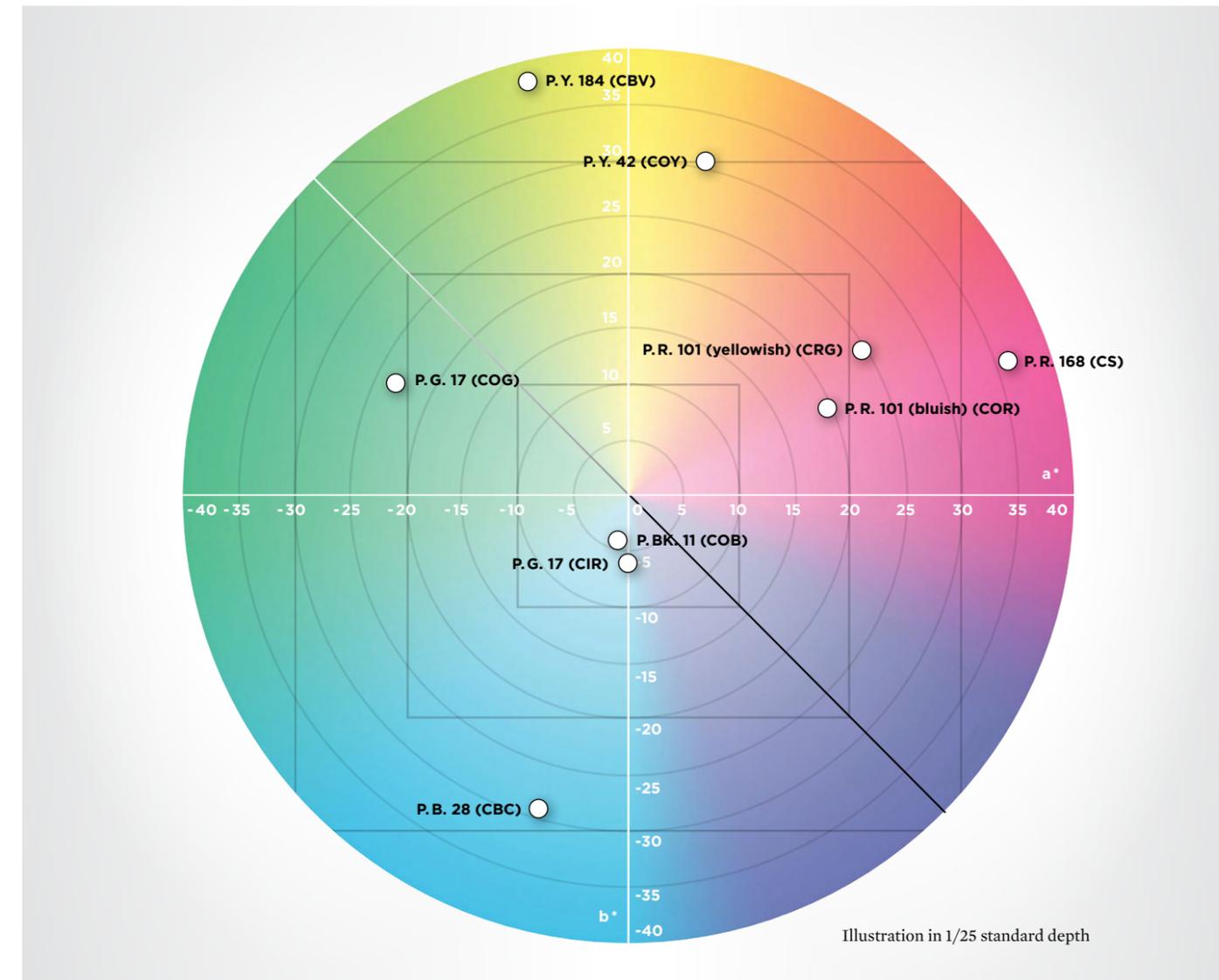
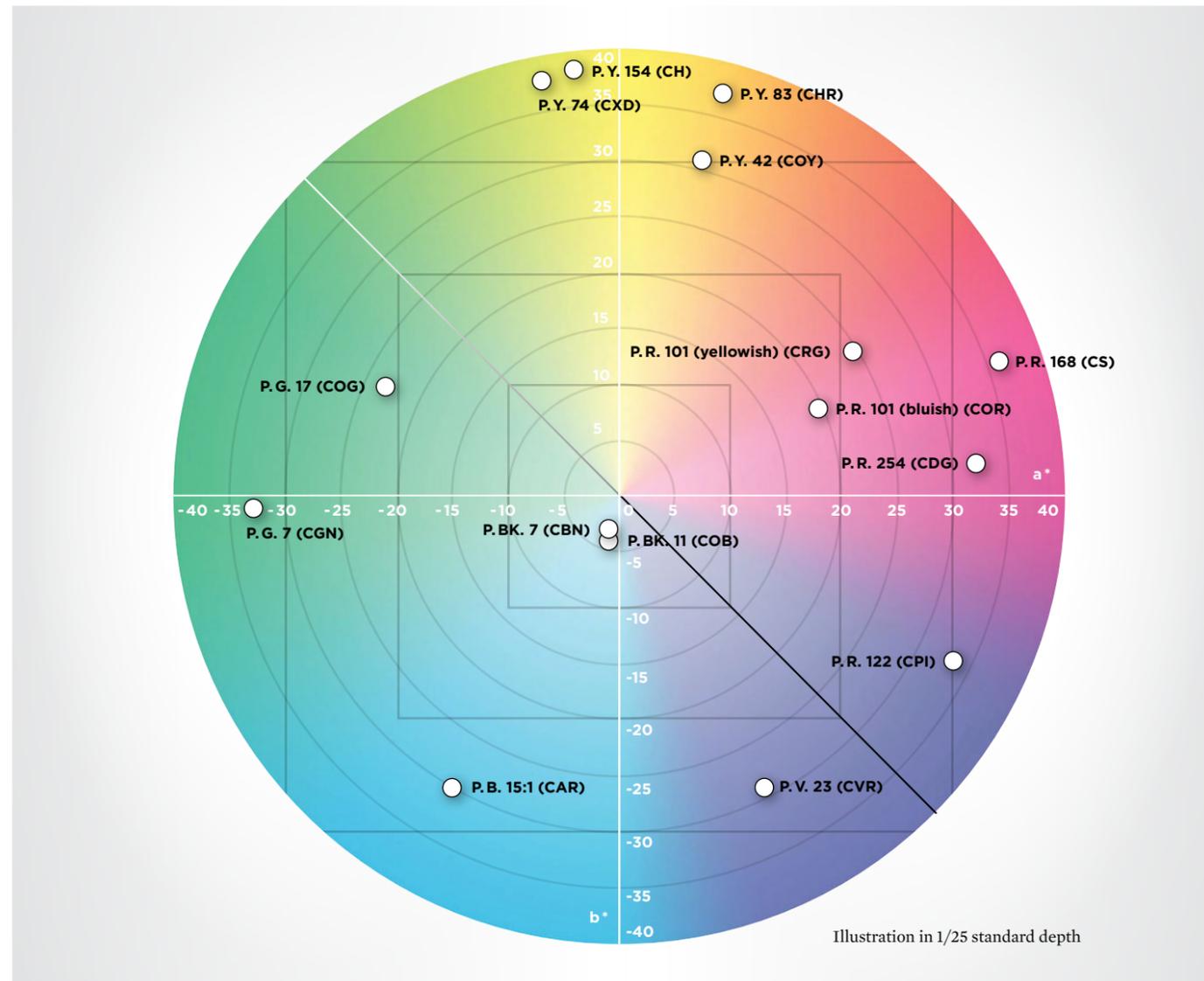
| Color shade | Colour Index | Colorant code | Product number | Pigment content [%] | Color shade | Colour Index | Colorant code | Product number | Pigment content [%] |
|-------------|-----------------------|---------------|----------------|---------------------|-------------|--------------|---------------|----------------|---------------------|
| | P. Y. 154 | CH | 311426 | 30 | | P. R. 122 | CPI | 311419 | 20 |
| | P. Y. 74 op | CXD | 311421 | 41 | | P. V. 23 | CVR | 311430 | 30 |
| | P. Y. 83 | CHR | 311427 | 50 | | P. B. 15:1 | CAR | 311394 | 40 |
| | P. Y. 42 | COY | 311412 | 64 | | P. G. 7 | CGN | 311478 | 50 |
| | P. R. 168 | CS | 311418 | 36 | | P. G. 17 | COG | 311403 | 75 |
| | P. R. 254 | CDG | 320374 | 50 | | P. Bk. 7 | CBN | 311383 | 43 |
| | P. R. 101 (yellowish) | CRG | 311410 | 65 | | P. Bk. 11 | COB | 311399 | 70 |
| | P. R. 101 (bluish) | COR | 311409 | 70 | | P. W. 6 | CWM | 311420 | 65 |

A new approach TO EXTERIOR COLOR PERFORMANCE

WATER-BASED APPLICATIONS

| Color shade | Colour Index | Colorant code | Product number | Pigment content [%] | Color shade | Colour Index | Colorant code | Product number | Pigment content [%] |
|-------------|-----------------------|---------------|----------------|---------------------|-------------|--------------|---------------|----------------|---------------------|
| | P. Y. 184 | CBV | 311411 | 65 | | P. B. 28 | CBC | 311401 | 62 |
| | P. Y. 42 | COY | 311412 | 64 | | P. G. 17 | COG | 311403 | 75 |
| | P. R. 168 | CS | 311410 | 36 | | P. Bk. 11 | COB | 311399 | 62 |
| | P. R. 101 (yellowish) | CRG | 311410 | 65 | | P. G. 17 | CIR | 316607 | 70 |
| | P. R. 101 (bluish) | COR | 311409 | 70 | | P. W. 6 | CWM | 311420 | 65 |

For use in coatings with high alkalinity we do recommend only colorants based on inorganic pigments.



Regulatory MATTERS



Our Product Stewardship department secures state of the art products by having a proactive view on upcoming regulatory challenges and an active portfolio maintenance. The department specifically focuses on:

- Eco label compliance
- GHS conform labeling and no hazard classification needed
- Raw material composition (VOC & SVOC)

We are a reliable partner with over 60 years' **experience** with colorants for the paint industry, providing a worldwide production network, backwards integrated in pigments and their precursors and exclusive additives for our colorants.

We think globally WE ACT LOCALLY



LOCATION FUNCTIONS

- Pigments production plant
- Pigment preparations production plant
- Various key offices (sales, labs, others)



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CLARIANT.COM

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