

# 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 1/25					
		P. Y. 74 tr	CGX	311423	COLANYL <sup>®</sup> 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 lighth color areas

Technical  
DATA

WATER-BASED APPLICATIONS

Shade depths	Shade depths	Colour Index C.I.	Colorant code	Product number	Pigment content	Density	Weathering fastness	
TT	ST 1/25				%	g/cm³	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

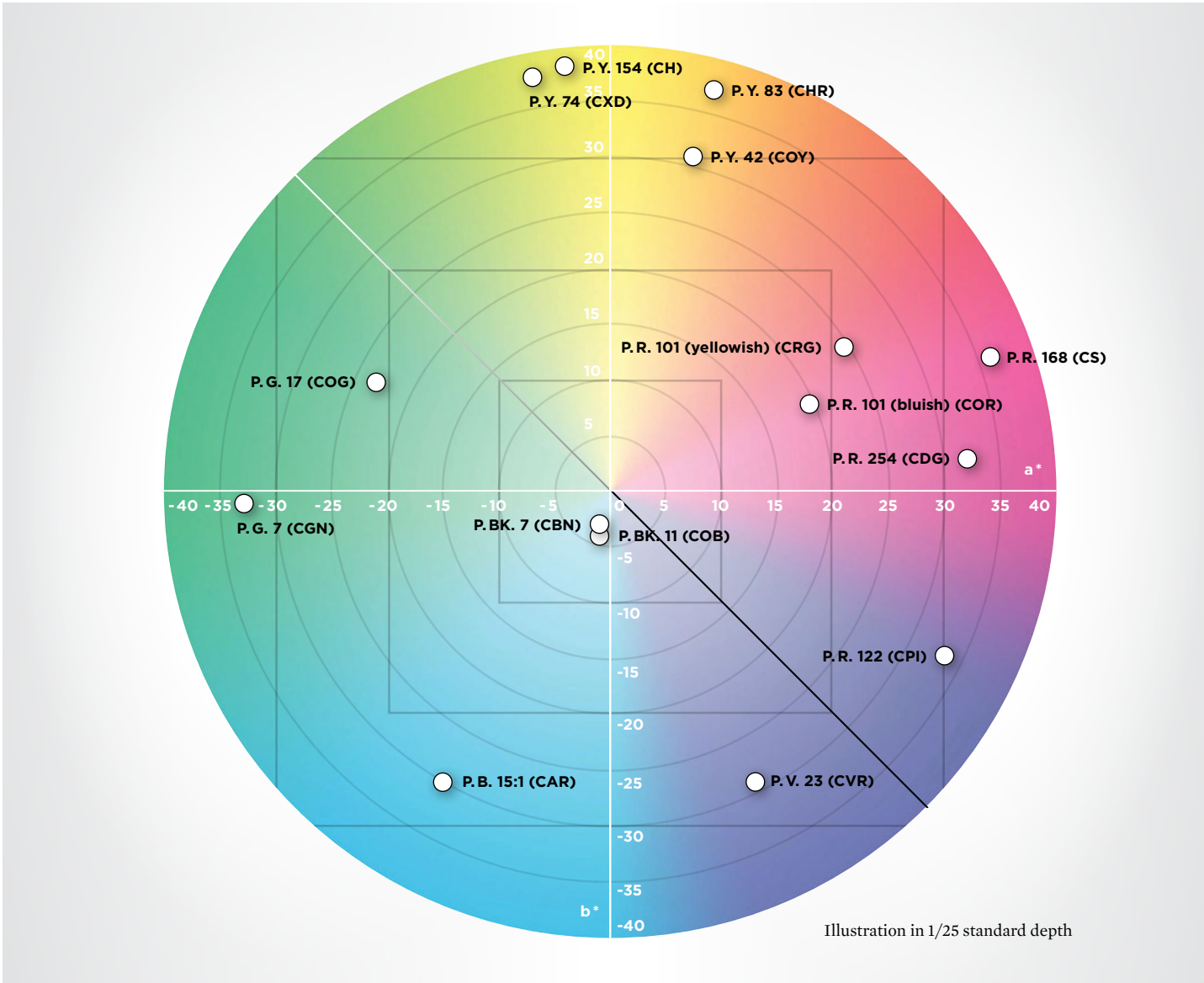
Shade depths: TT = deep shade  
ST 1/25 = 1/25 standard depth

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

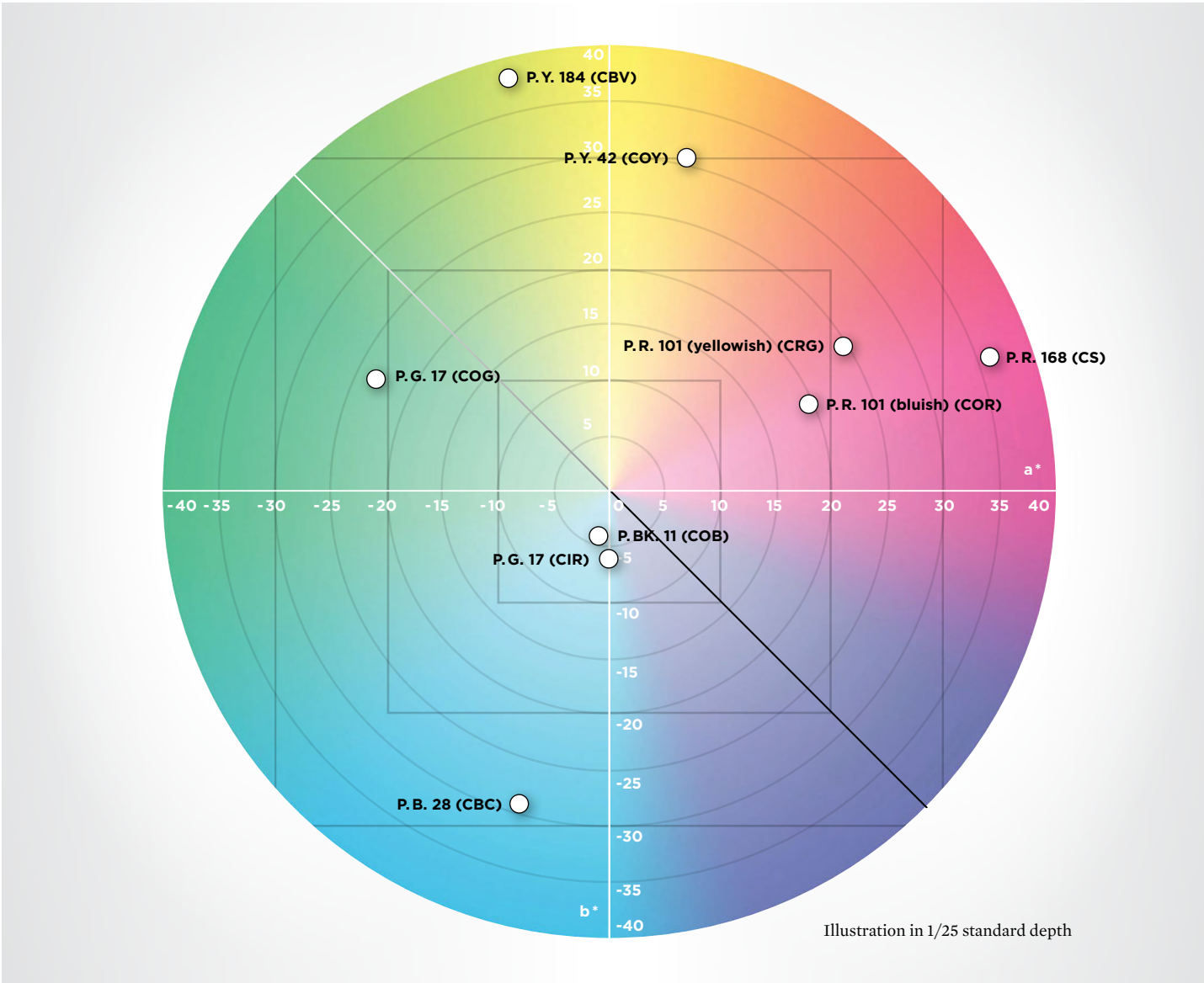


# A new approach TO EXTERIOR COLOR PERFORMANCE

## 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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