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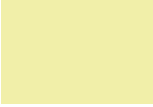

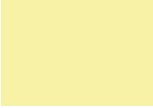



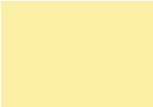



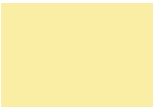






PIGMENTS COATINGS  
**COLANYL® 100**  
PIGMENT PREPARATIONS



BRIGHTER COLORS.  
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**COLANYL**






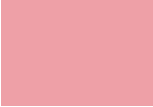












**PRODUCT NAME**

TT	ST 1/25	
		<b>YELLOW 10G 132</b>
		<b>YELLOW 5GX 131</b>
		<b>YELLOW FGL 133</b>
		<b>YELLOW H3G 131</b>
		<b>YELLOW 2GXD 130</b>
		<b>YELLOW G 132</b>
		<b>YELLOW HR 132</b>
		<b>YELLOW HRD 132</b>
		<b>ORANGE G 131</b>

C.I.	Light fastness		Weathering fastness	Tinting strength		Pigment content approx. %	Density g/cm <sup>3</sup>
	TT	ST 1/25		TT	ST 1/25		
P.Y. 3	7	6	4	3	84	35	1.17
P.Y. 74	6	5	3-4	2	10	46	1.14
P.Y. 97	7d	7	4-5	3-4	58	38	1.12
P.Y. 154	8	8	5	5	119	30	1.14
P.Y. 74	7	6-7	4	3	32	48	1.17
P.Y. 1	6	5	3-4	2	24	50	1.17
P.Y. 83	6d	4	2-3	1	12	35	1.14
P.Y. 83	7d	6-7	4	3	28	50	1.19
P.O. 13	5	4-5	2-3	1	63	40	1.17

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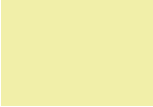




## PRODUCT NAME

TT	ST 1/25	
		<b>RED GG 131</b>
		<b>RED FRLL 131</b>
		<b>SCARLET RNX 130</b>
		<b>SCARLET GO 131</b>
		<b>RED FGRG 130</b>
		<b>RED FGR 131</b>
		<b>RED E3B 130</b>
		<b>PINK E 130</b>
		<b>VIOLET RL 132</b>

C.I.	Light fastness		Weathering fastness		Tinting strength	Pigment content	Density
	TT	ST 1/25	TT	ST 1/25		approx. %	g/cm <sup>3</sup>
P.O. 5	6-7d	5-6	3-4	3	63	45	1.20
P.R. 9	7	5-6	4	3-4	34	48	1.16
P.R. 3	7	3-4	4	1	34	50	1.18
P.R. 168	8	8	5	5	85	35	1.22
P.R. 112	7	5	4	3	24	47	1.18
P.R. 112	7	5	4	3	21	45	1.18
P.V. 19	7-8	7-8	4d	4-5	69	32	1.13
P.R. 122	7-8	7-8	4d	4-5	71	20	1.12
P.V. 23	7-8	7	4-5	4	14	30	1.14

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## PRODUCT NAME

TT	ST 1/25	
		<b>BLUE A2R 131</b>
		<b>BLUE B2G 131</b>
		<b>GREEN GG 131</b>
		<b>BLACK PR 130</b>
		<b>BLACK N 131</b>
		<b>OXIDE YELLOW BV 100</b>
		<b>OXIDE YELLOW CR 131</b>
		<b>OXIDE YELLOW R 132</b>

C.I.	Light fastness		Weathering fastness		Tinting strength	Pigment content	
	TT	ST 1/25	TT	ST 1/25		approx. %	g/cm <sup>3</sup>
P.B. 15:1	8	7-8	5	4-5	12	40	1.21
P.B. 15:3	8	7-8	5	4-5	12	47	1.23
P.G. 7	8	7-8	5	4-5	23	50	1.34
P.Bl. 7	8	8	5	5	21	30	1.18
P.Bl. 7	8	8	5	5	15	42	1.27
P.Y. 184	8	8	5	5	81	65	2.18
P.Br. 24	8	8	5	5	298	65	2.18
P.Y. 42	8	8	5	5	112	66	1.98

# COLANYL

## PRODUCT NAME

TT	ST 1/25	
		<b>OXIDE RED G 130</b>
		<b>OXIDE RED B 132</b>
		<b>OXIDE BLUE COR 100</b>
		<b>OXIDE GREEN G 131</b>
		<b>OXIDE BLACK B 130</b>
Not illustrated		<b>WHITE R 130</b>

C.I.	Light fastness		Weathering fastness		Tinting strength	Pigment content approx. %	Density g/cm <sup>3</sup>
	TT	ST 1/25	TT	ST 1/25			
P.R. 101	8	8	5	5	64	65	2.17
P.R. 101	8	8	5	5	80	72	2.34
P.B. 28	8	8	5	5	368	60	1.95
P.G. 17	8	8	5	5	259	75	2.56
P.BI. 11	8	8	5	5	167	54	1.90
P.W. 6	8	8	5	5	–	70	2.18

# PIGMENT PREPARATIONS

## COLANYL® 100

### GENERAL

Colanyl 100 is a range of aqueous, binder free pigment preparations manufactured without using alkyl phenol ethoxylated (APEO) additives. They are used for the efficient coloration of water-based decorative coatings. Colanyl 100 products are based on non-ionic and/or anionic wetting and dispersing agents. Their rheological profile allows exact dosing in automatic and manual dispensers as well as straightforward incorporation into base paints. Furthermore, processing of Colanyl 100 preparations is facilitated by their excellent stability to settling and skinning.

Volatile Organic Compounds (VOC)  
Colanyl 100 contains VOC.

### SPECIFICATIONS

Specifications of Colanyl 100 range include narrow tolerances for gravimetric and volumetric tinting strength as well as for colorimetric values dH and dC.

Gravimetric tinting strength	± 3%
Volumetric tinting strength	± 5%
dH (Hue)	± 0.5
dC (Chroma)	± 0.8

### MISCIBILITY AND DILUTION

All Colanyl 100 preparations are compatible in all proportions with each other. If reduction of tinting strength is needed, Colanyl Extender MS 531 is recommended. It is based on colorless inorganic fillers and is especially developed for Colanyl 100 and Colanyl 500 ranges. The advantage of using Colanyl Extender MS 531 instead of water: the balance of wetting agents, humectants, biocides and other additives remains on the same level. Stability and rheological profile remain virtually unchanged.

### APPLICATIONS

The main applications of Colanyl 100 are decorative paints based on aqueous emulsion paints and plasters/renderings based on aqueous polymer dispersions. They can be incorporated into aqueous wood stains, acrylic and polyester casting systems, latex and water resistant inks. They are also compatible with other binder systems, e. g. aqueous industrial paints. However, maximum dosage level and compatibility of Colanyl 100 preparations have to be checked in the respective customer paint system.

Since the dosage level influences paint properties tests in customer's paint must be performed to determine the optimal level of Colanyl 100.

Quality of color shade in interior and exterior applications is influenced by

- Type of coating system
  - Type of binder and pigment volume concentration (PVC)
  - Water vapor permeability
  - Alkalinity of substrate
- Geographical position of facade
- Final concentration of pigment in application (N.B.: the lower the concentration of pigment the more critical is the color stability)
- Physical and chemical properties of pigment

It is essential to test the pigment preparation in the final coating system in various concentrations.

For the use in coatings with high alkalinity or high water vapor permeability such as

- Lime paints or lime plasters
- Silicate paints or silicate plasters
- Silicone resin paints or silicon resin plasters
- Cement

we do recommend Colanyl Oxides types only. These types generally have larger particles and better chemical resistance than e. g. organic pigments. Generally speaking, only inorganic pigments are recommended for exterior/facade application. Colanyl Oxide Yellow BV 100 based on Bismuth Vanadate (P. Y. 184) is the exception being sensitive against alkalinity. To prevent color fading tests in the respective base paint are mandatory.

Colanyl 100 pigment preparations illustrated in this shade card were produced by special printing method. Slight shade deviations to original pigment are possible. These prints cannot be used for testing fastness properties.

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**ABBREVIATIONS AND NOTES TO TABLE SHOWN**

TT	Deep shade, 5% (weight percent) Colanyl 100 in deep shade emulsion paint ( 1% TiO <sub>2</sub> )
ST 1/25	Standard color depth 1/25 DIN 53235; reduced shade in white emulsion paint ( 20% TiO <sub>2</sub> )
Light fastness	According to DIN EN ISO 105-B01 (assessment against blue wool scale)
Weathering fastness	One year exposition in middle Europe; assessment against grey scale (DIN EN ISO 105-A02).
Tinting strength	Values given for tinting strength indicate how many grams of Colanyl 100 are necessary to colorize 1000 g of TiO <sub>2</sub> to standard color depth 1/25. The higher the value the weaker the pigment preparation.
Density	Density is determined with de-aerated product according to DIN EN ISO 2811-1.
d	Becomes darker

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**PRODUCT NAME****COLANYL****YELLOW 10G 132****YELLOW 5G 131****YELLOW FGL 133****YELLOW H3G 131****YELLOW 2GXD 130****YELLOW G 132****YELLOW HR 132****YELLOW HRD 132****ORANGE G 131****RED GG 131****RED FRLL 131****SCARLET RNX 130****SCARLET GO 131****RED FGRG 130****RED FGR 131****RED E3B 130****PINK E 130****VIOLET RL 132****BLUE A2R 131****BLUE B2G 131****GREEN GG 131****BLACK PR 130****BLACK N 131****OXIDE YELLOW BV 100****OXIDE YELLOW CR 131****OXIDE YELLOW R 132****OXIDE RED G 130****OXIDE RED B 132****OXIDE BLUE COR 100****OXIDE GREEN G 131****OXIDE BLACK B 130****WHITE R 130****COMPOSITION**

Density	Pigment content	Water	Glycols	Total solids
g/cm <sup>3</sup>	approx. %	%	%	%
1.17	35	29	20	51
1.14	46	26	20	54
1.12	38	30	18	52
1.14	30	40	20	40
1.17	48	18	25	57
1.17	50	24	20	56
1.14	35	30	15	55
1.19	50	27	15	58
1.17	40	36	17	47
1.20	45	24	20	56
1.16	48	26	20	54
1.18	50	28	13	59
1.22	35	29	20	51
1.18	47	21	26	53
1.18	45	28	19	53
1.13	32	28	25	47
1.12	20	44	20	36
1.14	30	37	18	45
1.21	40	31	18	51
1.23	47	26	20	54
1.34	50	26	15	59
1.18	30	37	25	38
1.27	42	31	20	49
2.18	65	18	10	72
2.18	65	5	15	80
1.98	66	9	18	73
2.17	65	11	18	71
2.34	72	8	14	77
1.95	60	15	18	67
2.56	75	10	10	80
1.90	54	18	20	62
2.18	70	4	19	77

Data may vary, since Colanyl pigment preparations are standardized on tinting strength.



## HEUBACH GROUP

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