

COLOROBIA®

Bottles

Non Returnable Bottles (One-Way)

Returnable Bottles

NON RETURNABLE BOTTLES (ONE-WAY)

Recommended uses in bottle decoration:

RECOMMENDED			
SERIES	LEAD	TEMPERATURE	FINISH
N SERIES	YES	560-600°	GLOSSY
E SERIES	NO	600-640°	GLOSSY
M SERIES	YES	600-650°	MATT
O SERIES	NO	600-650°	MATT

N.B. We recommend to always conduct preliminary tests before production. We will not be responsible of any damaged material.
For any other technical information, check the material safety sheet.

COLOROBIA®

Basic chemical composition for an indicative range of main colours
for bottle decoration:

N SERIES	COLOURS	M₂O	MO	B₂O₃	(Zr-Ti)O₂	Al₂O₃	PbO	ZnO	CdO	CoO	Cr₂O₃	CuO	SiO₂
	White	<10		<10	10-20		>50		<10				20-30
	Yellow	<10		<10	<10		>50		<10				20-30
	Red	<10		<10	<10		>50		<10				20-30
	Green	<10		<10	<10		>50		<10	<10	<10		20-30
	Blue	<10		<10	<10	<10	>50		<10	<10			20-30
	Black	<10		<10	<10		>50		<10		<10	<10	20-30
	Purple	<10		<10	<10	<10	>50		<10	<10			20-30
	Orange	<10		<10	<10		>50		<10				20-30

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E SERIES	COLOURS	M₂O	MO	B₂O₃	(Zr-Ti)O₂	Al₂O₃	PbO	ZnO	CdO	CoO	Cr₂O₃	CuO	SiO₂
	White	<10	<10	20-30	<10	<10		30-50					10-20
	Yellow	<10	<10	20-30	<10	<10		30-50	<10				10-20
	Red	<10	<10	20-30	<10	<10		30-50	<10				10-20
	Green	<10	<10	20-30	<10	<10		30-50		<10	<10		10-20
	Blue	<10	<10	20-30	<10	<10		30-50		<10			10-20
	Black	<10	<10	20-30	<10	<10		30-50			<10	<10	10-20
	Purple	<10	<10	20-30	<10	<10		30-50	<10	<10			10-20
	Orange	<10	<10	20-30	<10	<10		30-50	<10				10-20

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<u>M SERIES</u>	COLOURS	M₂O	MO	B₂O₃	(Zr-Ti)O₂	Al₂O₃	PbO	ZnO	CdO	CoO	Cr₂O₃	CuO	SiO₂
	White	<10		<10	<10		>50		<10				20-30
	Green	<10		<10	<10		>50		<10	<10	<10		20-30
	Blue	<10		<10	<10	<10	>50		<10	<10			20-30
	Black	<10		<10	<10		>50		<10		<10	<10	20-30

<u>O SERIES</u>	COLOURS	M₂O	MO	B₂O₃	(Zr-Ti)O₂	Al₂O₃	PbO	ZnO	CdO	CoO	Cr₂O₃	CuO	SiO₂
	White	<10	10-20	10-20	<10	<10		20-30					10-20
	Green	<10	10-20	10-20	<10	<10		20-30		<10	<10		10-20
	Blue	<10	10-20	10-20	<10	<10		20-30		<10			10-20
	Black	<10	10-20	10-20	<10	<10		20-30			<10	<10	10-20

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Expansion range:

SERIES	α (50-300)	Tt	Tr	Tir	Trm	Tfe	Tfse
N	75-90	420-450	450-500	520-550	570-600	630-660	670-700
E	75-90	480-510	530-560	540-570	650-680	690-720	760-790
M	75-90	450-480	490-510	520-540	600-630	650-680	700-730
O	75-90	460-490	530-560	550-580	680-710	750-780	820-850

Particle size valid for all series:

X10	X50	X90
0,6-1 microns	3-5 microns	10-15 microns

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RETURNABLES BOTTLES

Recommended uses in bottle decoration:

RECOMMENDED			
SERIES	LEAD	TEMPERATURE	FINISH
R SERIES	YES	600-640°	GLOSSY
A SERIES	NO	630-650°	GLOSSY
M SERIES	YES	600-650°	MATT
O SERIES	NO	600-650°	MATT

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COLOROBIA®

Basic chemical composition for an indicative range of main colours
for bottle decoration:

R SERIES	COLOURS	M₂O	MO	B₂O₃	(Zr-Ti)O₂	Al₂O₃	PbO	ZnO	CdO	CoO	Cr₂O₃	CuO	SiO₂
	White	<10		<10	<10		>50		<10				20-30
	Yellow	<10		<10	<10		>50		<10				20-30
	Red	<10		<10	<10		>50		<10				20-30
	Green	<10		<10	<10		>50		<10	<10	<10		20-30
	Blue	<10		<10	<10	<10	>50		<10	<10			20-30
	Black	<10		<10	<10		>50		<10		<10	<10	20-30
	Purple	<10		<10	<10	<10	>50		<10	<10			20-30
	Orange	<10		<10	<10		>50		<10				20-30

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A SERIES	COLOURS	M ₂ O	MO	B ₂ O ₃	(Zr-Ti)O ₂	Al ₂ O ₃	PbO	ZnO	CdO	CoO	Cr ₂ O ₃	CuO	SiO ₂
	White	<10	10-20	10-20	<10	<10		20-30					10-20
	Yellow	<10	10-20	10-20	<10	<10		20-30	<10				10-20
	Red	<10	10-20	10-20	<10	<10		20-30	<10				10-20
	Green	<10	10-20	10-20	<10	<10		20-30		<10	<10		10-20
	Blue	<10	10-20	10-20	<10	<10		20-30		<10			10-20
	Black	<10	10-20	10-20	<10	<10		20-30			<10	<10	10-20
	Purple	<10	10-20	10-20	<10	<10		20-30	<10	<10			10-20
	Orange	<10	10-20	10-20	<10	<10		20-30	<10				10-20

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M SERIES	COLOURS	M₂O	MO	B₂O₃	(Zr-Ti)O₂	Al₂O₃	PbO	ZnO	CdO	CoO	Cr₂O₃	CuO	SiO₂
	White	<10		<10	<10		>50		<10				20-30
	Green	<10		<10	<10		>50		<10	<10	<10		20-30
	Blue	<10		<10	<10	<10	>50		<10	<10			20-30
	Black	<10		<10	<10		>50		<10		<10	<10	20-30

O SERIES	COLOURS	M₂O	MO	B₂O₃	(Zr-Ti)O₂	Al₂O₃	PbO	ZnO	CdO	CoO	Cr₂O₃	CuO	SiO₂
	White	<10	10-20	10-20	<10	<10		20-30					10-20
	Green	<10	10-20	10-20	<10	<10		20-30		<10	<10		10-20
	Blue	<10	10-20	10-20	<10	<10		20-30		<10			10-20
	Black	<10	10-20	10-20	<10	<10		20-30			<10	<10	10-20

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For a wider range of information, please contact our sales sheet.

COLOROBIA®

Expansion range:

SERIES	α (50-300)	Tt	Tr	Tir	Trm	Tfe	Tfse
R	75-90	420-460	460-500	480-510	580-610	640-670	710-740
A	75-90	460-490	530-560	550-580	680-710	740-770	810-850
M	75-90	450-480	490-510	520-540	600-630	650-680	700-730
O	75-90	460-490	530-560	550-580	680-710	750-780	820-850

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X10	X50	X90
0,6-1 microns	3-5 microns	10-15 microns

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