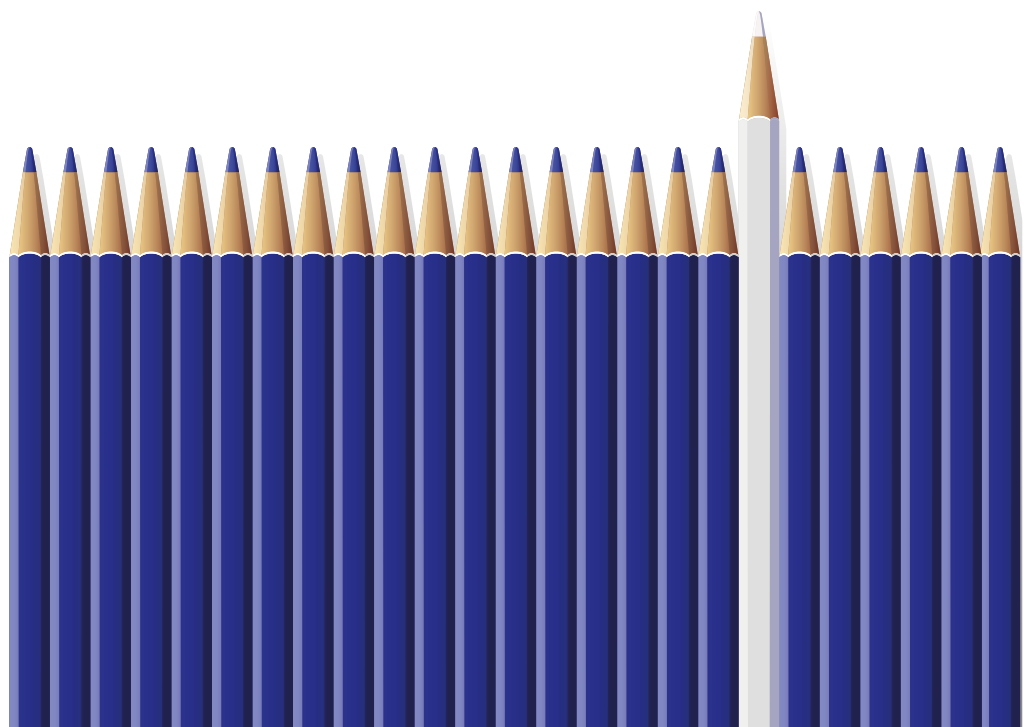


KRONOS®

KRONOS 2043
KRONOS 2044
KRONOS 2047

The Special Grades



KRONOS 2043, KRONOS 2044 and KRONOS 2047 are rutile pigments produced by the sulphate process for coatings formulated above cPVC such as matt architectural paints, paper and cardboard coating as well as matt printing inks. In addition KRONOS 2047 is offered as slurry for paper mass.

KRONOS 2043 is designed for heavily filled systems such as matt architectural paints and synthetic resin plasters. It imparts a warm tone and shows excellent opacity in coating formulations above the critical pigment volume concentration making it very economical in use.

KRONOS 2044 is a special pigment for matt emulsion paints, as well as matt flexographic inks. As a result of its high specific surface area, KRONOS 2044 leads to the highest hiding power in interior emulsion paints by promoting the dry-hiding effect. It is additionally characterised by excellent non-settling properties in waterborne systems.

KRONOS 2047 is a pigment developed for highly filled systems like paper and cardboard coatings, light weight coated paper (LWC paper), matt emulsion paints and lamination printing inks. It improves the whiteness as well as wet and dry opacity of paper and cardboard.

Applications

KRONOS 2043	KRONOS 2044	KRONOS 2047
Matt architectural paints	Matt emulsion paints	Coating for paper and cardboard
Synthetic resin plasters	Matt printing inks	Light weight coated paper (LWC)
	Wall paper coatings	Lamination printing inks
		Matt emulsion paints
		Synthetic resin plasters



Optical properties

Test formulation: interior emulsion paint based on polyvinyl acetate (pigment volume concentration: 78%)

Brightness and tone in white

KRONOS	2043	2044	2047
Brightness (L*)	96.9	97.4	97.4
Tone (b*)	2.2	2.0	2.1

Relative tinting strength and tone in grey

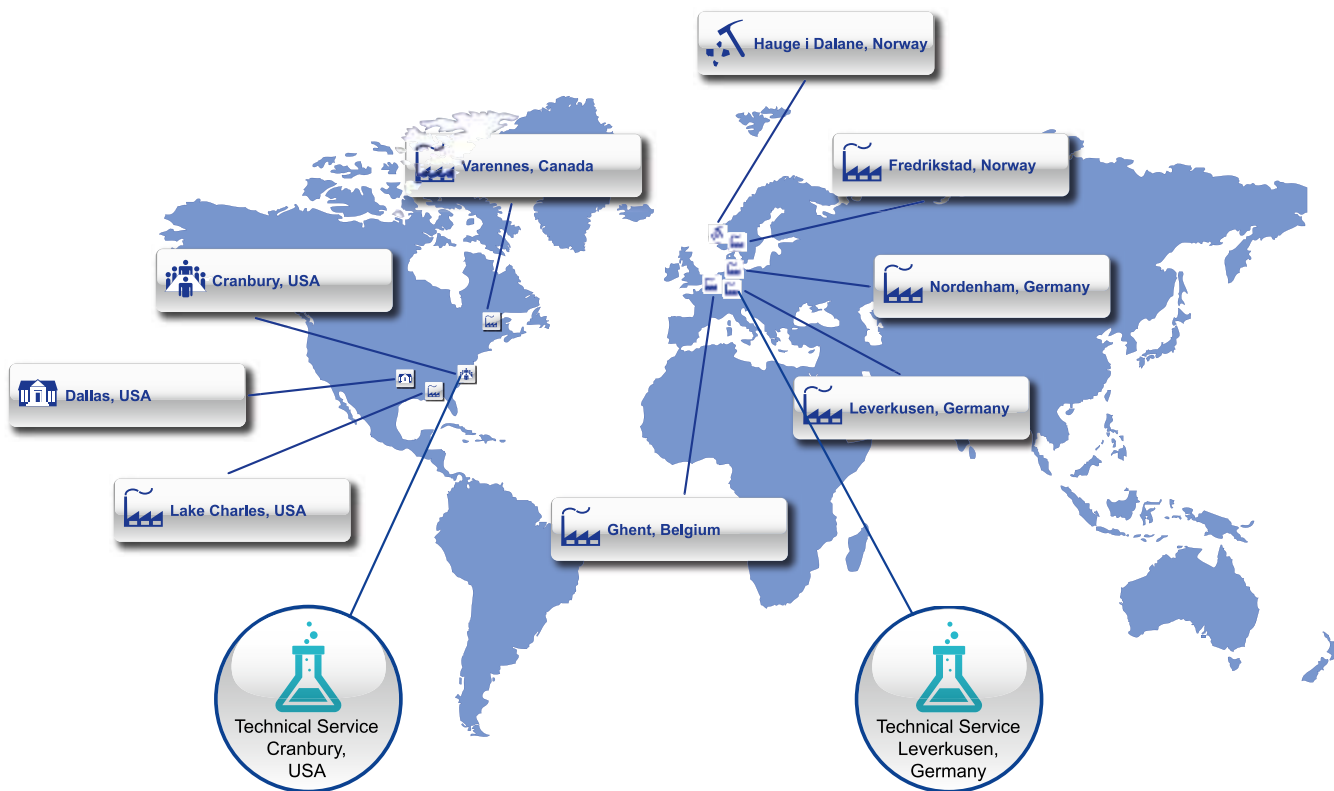
KRONOS	2043	2044	2047
Relative tinting strength (TS)	137	140	127
Tone (b*)	-0.5	-1.5	-1.9



Analytical Data

KRONOS	2043	2044	2047
Production	Sulphate Process	Sulphate Process	Sulphate Process
Surface treatment	Al, Si	Al, Si	Al, Si
TiO ₂ content min [%] (DIN EN ISO 591)	84.0	82.0	88.0
Standard classification (DIN EN ISO 591-1)	R3	R3	R3
Oil absorption [g/100 g] (DIN EN ISO 787-5)	35	41	27





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