

# PRODUCT INFORMATION

Chromix®

TY 2364-003-52967881-2002

Chromix® is produced from carefully selected and concentrated natural chromite. The chemical elements of chromite form a spinel type crystalline lattice resulting in a very temperature stable pigment.

The standardised quality of Chromix® is guaranteed by means of an ISO 9001 certified quality assurance plan. The chemical composition of raw materials and product is closely monitored. Variation in chemical composition and particle size distribution of Chromix® is kept to a minimum.

## Applications

- Pigment for grey bricks and tiles.
- Pigment for green container glass.
- Pigment for anticorrosive paints.

## Mineral Properties

Main constituent	Chromite, (Fe,Mg)O•(Cr,Al) <sub>2</sub> O <sub>3</sub>
Hardness (Mohs' scale)	5½
Density (g/cm <sup>3</sup> )	4.5

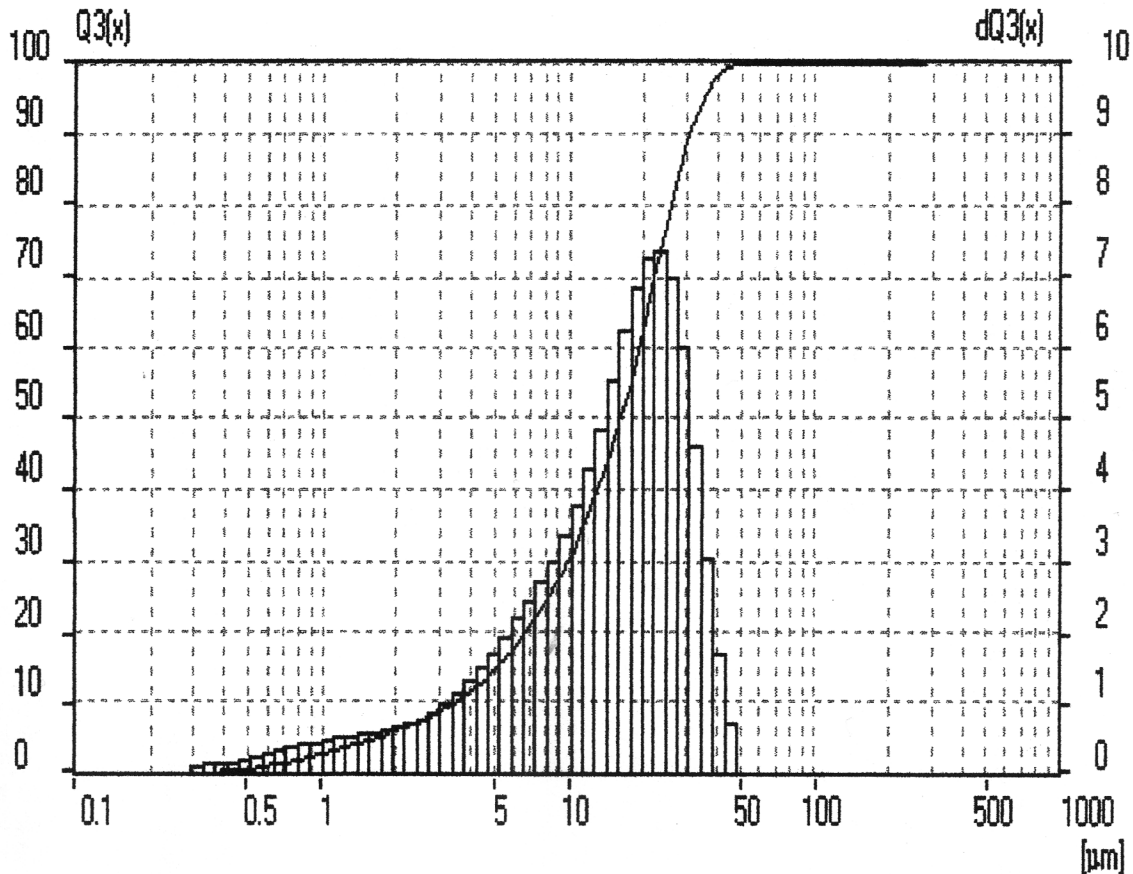
## Chemical Analyses

	Typical values		Method
Cr <sub>2</sub> O <sub>3</sub>	50.5	%	XRF
Al <sub>2</sub> O <sub>3</sub>	8.7	%	XRF
FeO	17.2	%	XRF
MgO	15.7	%	XRF
CaO	0.3	%	XRF
MnO	0.21	%	XRF
Na <sub>2</sub> O	<0.1	%	XRF
SiO <sub>2</sub>	3.7	%	XRF
TiO <sub>2</sub>	0.17	%	XRF



The mining company "Chrom"  
[www.russianchrom.ru](http://www.russianchrom.ru)

Chromix®  
-Typical values-



Interpolation Values... C:\Program Files\la22\_32\fritsch\HIMNT\_1.FPS

2.7 %	<=	1.000 µm	6.0 %	<=	2.000 µm	8.8 %	<=	3.000 µm
11.6 %	<=	4.000 µm	14.5 %	<=	5.000 µm	17.7 %	<=	6.000 µm
20.8 %	<=	7.000 µm	24.0 %	<=	8.000 µm	27.1 %	<=	9.000 µm
30.2 %	<=	10.000 µm	62.7 %	<=	20.000 µm	88.1 %	<=	30.000 µm
98.1 %	<=	40.000 µm	100.0 %	<=	50.000 µm	100.0 %	<=	60.000 µm
100.0 %	<=	70.000 µm	100.0 %	<=	80.000 µm	100.0 %	<=	90.000 µm
100.0 %	<=	100.000 µm	100.0 %	<=	200.000 µm	***** %	<=	300.000 µm

Interpolation Values... C:\Program Files\la22\_32\fritsch\10\_90.FPV

5.0 %	<=	1.654 µm	10.0 %	<=	3.452 µm	15.0 %	<=	5.148 µm
20.0 %	<=	6.743 µm	25.0 %	<=	8.335 µm	30.0 %	<=	9.940 µm
35.0 %	<=	11.538 µm	40.0 %	<=	13.106 µm	45.0 %	<=	14.642 µm
50.0 %	<=	16.154 µm	55.0 %	<=	17.656 µm	60.0 %	<=	19.179 µm
65.0 %	<=	20.746 µm	70.0 %	<=	22.363 µm	75.0 %	<=	24.138 µm
80.0 %	<=	26.103 µm	85.0 %	<=	28.322 µm	90.0 %	<=	31.026 µm
95.0 %	<=	35.183 µm	99.0 %	<=	42.420 µm			

Physical properties		Method
Moisture	0.1	% IR-Dryer
Loose apparent density	1.46	g/cm <sup>3</sup> ISO787/11 (1 tap)
Tapped apparent density	2.32	g/cm <sup>3</sup> ISO787/11