

ALPHA TALC[®] CT X FOR PAINTS

Product Properties

ALPHA TALC CT X is an industrial mineral, offering the option to enhance significantly several useful properties of paints. Due to special procedure, the natural lamellarity of the talc is kept. Addition of **ALPHA TALC CT X** to paints helps to be efficient through reduction of organic solvents in paint formulation, what decreases VOC in these products. Application of this talc product enhances important mechanical and thermal properties of paint formulations. Talc addition plays an important role in various paints applications: decorative paints, wall paints, wood lacquers, printing inks and industrial paints and coatings with improvement of the mud cracking resistance of the end-products.

EVERY BIG BAG SAVES YOUR MONEY

Key Benefits at a glance

- Expanded range of application in paints
- Reduction of cost due to optimal properties
- Increasing mechanical stability
- Perfection of mud cracking resistance
- Excellent rheological properties
- Advance of the UV- and weather-resistance
- Enhancement of thermal properties
- Improvement of the coating film adhesion



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Introduction

Due to platy-shaped particles, **ALPHA TALC CT X** acts as functional industrial mineral in paints by creation of bridges between the polymeric binder molecules. The application of this material increase the mud cracking resistance and the physical stability of paint film during and after drying.

Mineralogical composition

Talc:	~ 95 %
Magnesite / Dolomite / Chlorit	< 3 %
Accessory minerals	~ 2 %
Loss of ignition (LOI _{1000 °C})	6.5 %

Chemical and Physical Data

Product	D50 [µm]	Sieve residue [%]	Whiteness Ry	BET
<i>ALPHA TALC CT 30 X</i>	6.0	63 µm < 0.1	90	10
<i>ALPHA TALC CT 45 X</i>	6.0	71 µm < 0.1	90	10

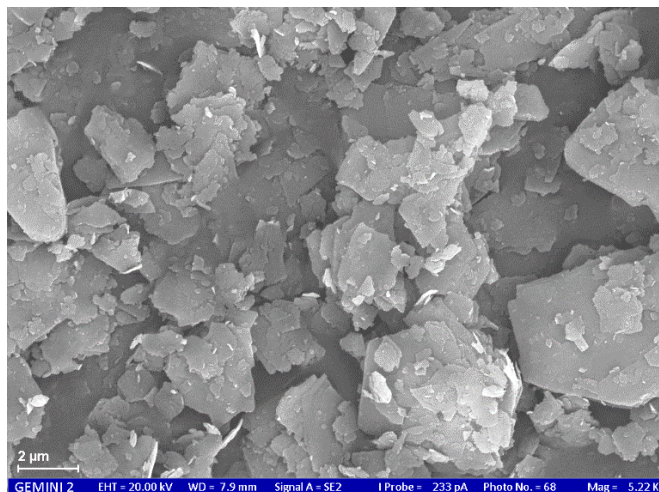
Application examples

Paints:

- Excellent rheological properties
- Low abrasion values

Special coatings:

- Enhanced reinforcing properties
- High filling degree of end-product
- Reduction of shrinkage



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