

**PRODUCT:** ManCal 418

**DESCRIPTION :**

A product of high degree of whiteness produced from selected natural finest microcrystalline rhombohedra Calcium Carbonate.

Very low oil absorption, easily dispersible, imparting good theological properties. It is used throughout the range of water and solvent based paints for both interior and exterior applications.

**CHEMICAL ANALYSIS of The RAW MATERIAL:**

CaCO<sub>3</sub> \_ 99.3 %      MgO \_ 0.08%  
SiO<sub>2</sub> \_ 00.06%      Fe<sub>2</sub>O<sub>3</sub> \_ 0.01%  
HCl insoluble content \_ 0,09%

**PHYSICAL PROPERTIES OF THE RAW MATERIAL:** Density ( ISO 787/10) 2.7g/ml  
Hardness (Mohs) 3

Median Size: d50 (CILAS) : 4 µm ±1 µm

TOP CUT: d97(CILAS) 18.00 ±1 µm

Bulk density ( ISO 787/11) 0.97 g/ml Specific surface (BET) 2.9 m<sup>2</sup>/g  
Abrasion (ES269) 10.5 mg Oil Absorption 15.0g/100g  
Water Absorption 23.6 g/100g pH( ISO 787/9) 9  
Moisture content ( ISO 782/2) \_ 0.17 %

**OPTICAL PROPERTIES :** LAB, Scan    L\* = 95.2 a\* = -0.2 b\* = 15  
Yellow index 2.7

**APPLICATIONS:** Paints : Texture paints

