

FINE GROUND CALCIUM CARBONATE (SURREY)

IMASCO fine-ground white calcium carbonate (CaCO₃) is available at our Surrey plant in five gradations; 200X, 3HX, 4HX, 6HX and 7HX, corresponding to the Hegman scale. These exceptionally pure, bright white fillers and extenders are dry ground from natural high calcium marble. Our particle size range allows us to meet the requirements of many applications including:

- ▲ Paints, coatings, and inks
- ▲ PVC extrusions
- ▲ Adhesives, caulks, sealants
- ▲ Polyester resin systems – BMC, SMC, RTM, Spray-up
- ▲ Rubber – Flooring Products, Footwear
- ▲ Paper – Filling and Coating
- ▲ Glass Fibre
- ▲ Ceramic Glaze

BENEFITS OF IMASCO CALCIUM CARBONATES

- ▲ Consistent sizing
- ▲ High brightness
- ▲ High chemical purity
- ▲ National Sanitation Foundation approved (6HX, 7HX)(ANSI/NSF 14-1990)
- ▲ Kosher



PARTICLE SIZE DATA (MICRONS)

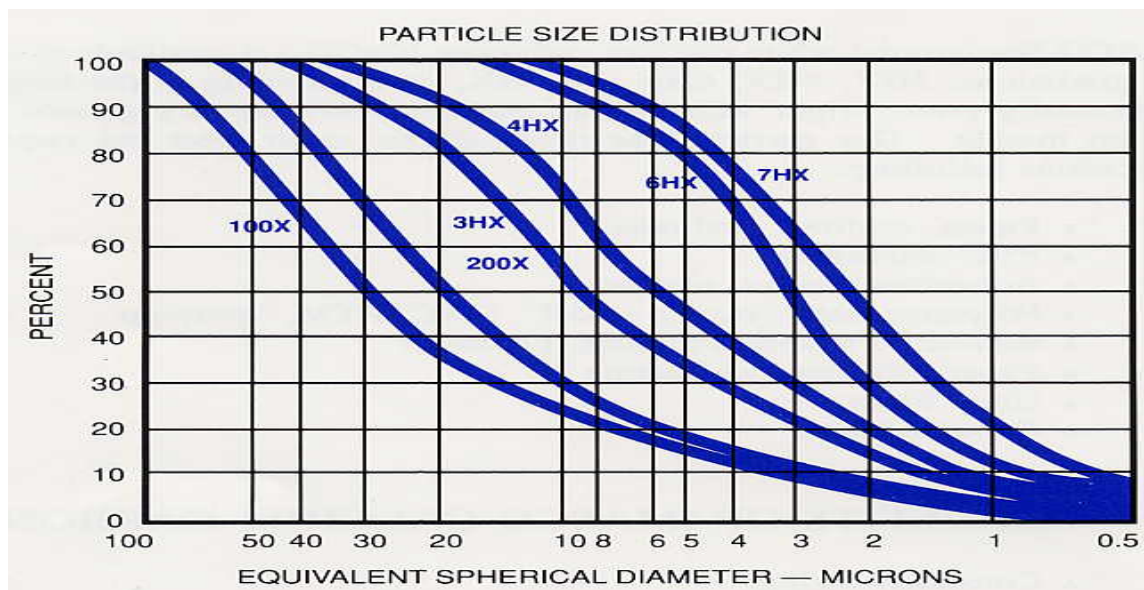
	200X	3HX	4HX	6HX	7HX
Top Cut	75	44	30	15	12 µm
Median Particle Size	21	8.8	5.8	3.0	2.2 µm
Sub-micron Fraction	5%	8%	10%	18%	24%

PHYSICAL PROPERTIES

Dry Brightness (ASTM C110-92)	95.0 (6HX)
Specific Gravity (ASTM C128-88)	2.7
Mohs Hardness	3.0
Particle Shape	Crystalline rhombohedron
Moisture Content (ASTM D280-81)	Below 0.2 %
Loss on Ignition (ASTM E1172-87)	42 %
pH Value (ASTM C110-92)	9.0



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TYPICAL CHEMICAL ANALYSIS*

CaCO ₃	95.0%
MgCO ₃	4.4 %
Fe ₂ O ₃ Ferric Oxide	0.1 %
Acid Insoluble	0.5 %

* PLA 4-70

	200X	3HX	4HX	6HX	7HX	
Oil Absorption (ASTM D281-84)	13-15	14-16	14-16	16-18	17-19	g/100g
Apparent Loose Density (ASTM C110-92)	1150	790	740	590	570	kg/m ³
Apparent Packed Density (ASTM C110-92)	1550	1430	1320	1210	1050	kg/m ³

These products are available in 50-pound bags, 2000-pound semi-bulk bags, and bulk truck quantities.

Data is representative of recent testing and is typical of normal production.

