



# HUBERCRETE® PRIME CALCIUM CARBONATE

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## DESCRIPTION

A fine and medium fine ground calcium carbonate designed to give concrete better workability and an improved appearance by improving overall performance, reducing the amount of cement required and enhancing color. These products are high calcium limestone with very low heavy metal content with Arsenic, Cadmium and Mercury less than 1 ppm and lead less than 2 ppm.

## TYPICAL PHYSICAL PROPERTIES

	HuberCrete® M Prime	HuberCrete® Q Prime	HuberCrete® G Prime
Dry Brightness (Hunter Reflectance)	83	84	94
Moisture (% , ASTM D-280)	0.1	0.1	0.2
Water Demand (ml/100 gms)	37	36	38
Loose Bulk Density (lbs/ft3, ASTM C-110)	60	55	58
Compacted Bulk Density (lbs/ft3, ASTM C-110)	80	80	82
Weight Per Gallon (lbs/solid gallon)	22.6	22.6	22.6

HuberCrete® M Prime is produced at the Marble Falls, Texas plant; HuberCrete® Q Prime is produced at the Quincy, Illinois plant; and HuberCrete® G Prime is produced at the Marble Hill, Georgia plant.

## MINERAL PROPERTIES

Color	White
Alkalinity (as NaOH, ASTM D-1208)	0.4 mg/gm
pH (ASTM D-1208)	9.4 (saturated solution)
Hardness (Hand. Of Chem. & Phy)	3 Mohs, relatively non-abrasive
Solubility (Hand. Of Chem. & Phy)	0.0035 gm/100 ml H2O at 100° C.
Particle Shape (Microscope)	Irregular, uniaxial
Specific Gravity (ASTM D-153)	2.7
Refractive Index (Hand. Of Chem. & Phy)	1.6
Weight/Solid Gallon (s.g. x 8.345)	22.6 lbs/solid gallon (0.0443 solid gallons/pound)
Linear Expansion Coefficient (Hand. Of Chem. & Phy.)	4.3 x 10 <sup>-6</sup> /°C

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