

HUBERCARB™ Q SERIES CALCIUM CARBONATE PRODUCTS

QUINCY, IL

MANY PRODUCTS TO SATISFY MANY NEEDS

J.M. Huber's Q Series calcium carbonate includes a full line of products ranging from coarse granular grades to ultra-fine micronized carbonates. Several of these products have been surface modified to enhance end use performance.

CONSISTENCY STARTS AT THE BEGINNING J.M.

Huber's mine in Quincy, Illinois is known for its natural uniformity. It produces stone of consistent purity and brightness. The excellent uniformity of this deposit assures the product we deliver to you years from now will have the same purity and brightness as the product we deliver today.

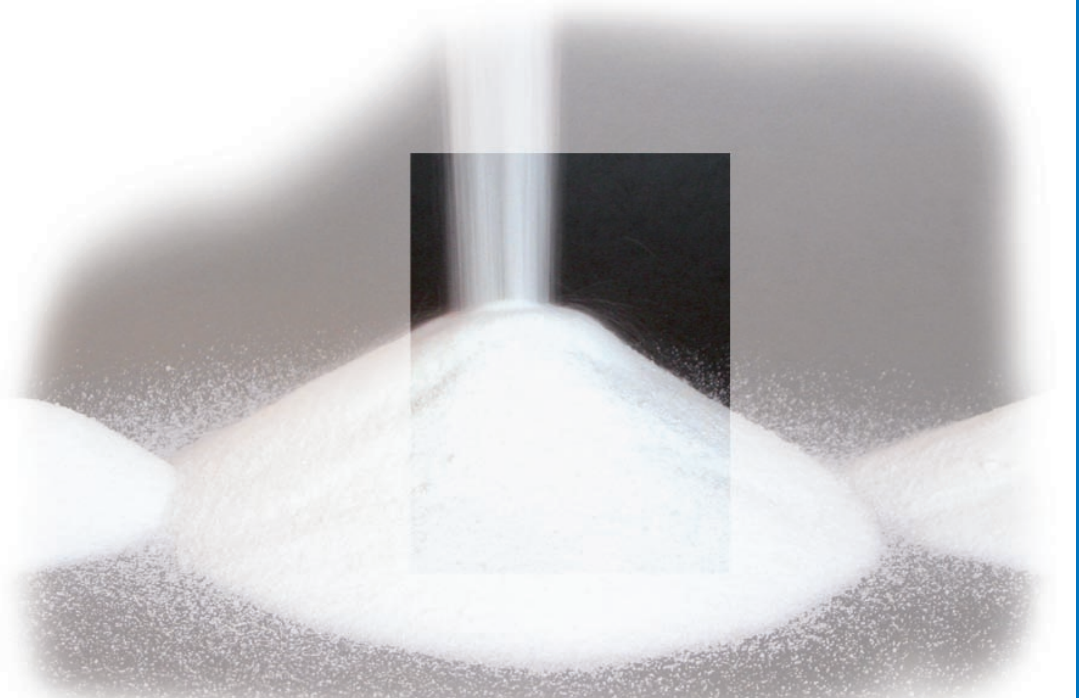
OUR QUALITY FOR YOUR QUALITY

At J.M. Huber, quality is an important ingredient in all of our products. ISO certification combined with Six-Sigma tools and processes ensure consistent, high performance products time after time.

The Hubercarb Q Series is only part of the entire Huber family of solutions. Other products include Alumina Trihydrate (ATH), Barium Sulfate, Kaolin, Magnesium Hydroxide, Silica and Silicates.



A FAMILY OF SOLUTIONS



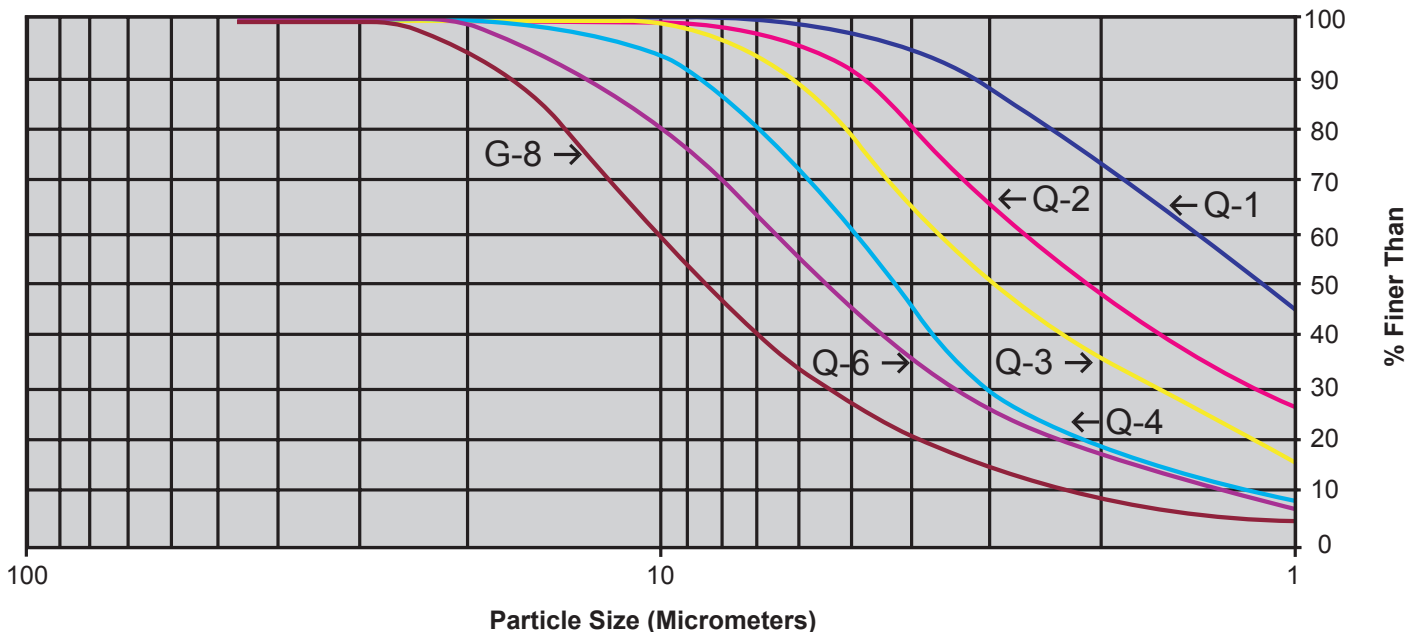
HUBERCARB Q SERIES FINE AND ULTRA-FINE PRODUCTS

TYPICAL PHYSICAL PROPERTIES

Hubercarb Q Series	Q 1	Q 1T	Q 2	Q 2T	Q 3	Q 3T	Q 4	Q 6	G 8*
Surface Treatment		Treated		Treated		Treated			
Median Particle Size (microns, Sedigraph)	1.1	1.1	2	2	3.2	3.2	4.3	6	9
Dry Brightness (Hunter Reflectance)	90	90	90	90	89	88	88	87	93
Oil Absorption (lbs oil/100 lbs, ASTM D-281)	21	21	18	16	18	15	17	16	15
Moisture (% , ASTM D-280)	0.6	0.6	0.2	0.2	0.2	0.2	0.2	0.15	0.2
Water Demand (ml/100 gms)	95		68		55		54	45	41
Loose Bulk Density (lbs/ft ³ , ASTM D-1895)	30	32	44	41	40	40	40	45	50
Compacted Bulk Density (lbs/ft ³ , ASTM D-1895)	45	48	52	55	60	60	60	65	85
325 Mesh Residue	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.05
Hegman Grind (ASTM D-1210)	5.5	5.5	6.5	6.5	6	6	6	5	4

*G8 is produced using premium high brightness marble from Marble Hill, Georgia.

PARTICLE SIZE DISTRIBUTION (P.M.D. Sedigraph Method)



HUBERCARB Q SERIES GRANULAR AND MEDIUM-FINE PRODUCTS

TYPICAL PHYSICAL PROPERTIES

Hubercarb Q Series	Q 325	Q 200	Q 100	Q 60	Geotex® FXZ	Q 40-200	Geotex FXT	Q 20-60	Q 6-20
Median Particle Size (LLS - Cilas)	13	22	24	20					
Dry Brightness (Hunter Reflectometer)	86	84	83	78					
Oil Absorption (lbs. Oil/100 lbs, ASTM D-281)	14	12	12	12					
Moisture (% , ASTM D-280)	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Water Demand (ml/100 gms)	40	36	36						
Loose Bulk Density (lbs/ft ³ , ASTM D-1895)	50	55	55	55	89	85	90	85	90
Compacted Bulk Density (lbs/ft ³ , ASTM D-1895)	80	80	80	95	110	98	106	95	100
Weight Per Gallon (lbs/solid gallon)	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
Hegman Grind (ASTM D-120)	2								

*Geotex is produced using premium high brightness marble from Marble Hill, Georgia.

PARTICLE SIZE (SCREEN) ANALYSIS

Mesh Size	Q 325	Q 200	Q 100	Q 60	Geotex FXZ	Q 40-200	Geotex FXT	Q 20-60	Q 6-20
4									
6									100
8									85
12									61
16								100	28
20					100	100	100	93	7
40			100	100	99	99.5	99.5	19	
60		100	99.9	99.6	71	60	60	4	
100	100	99.9	99	96.5	48	23	23		
200	99.9	99	79	78	27	6	6		
325	99.5	82	66	61	17				

*Geotex is produced using premium high brightness marble from Marble Hill, Georgia.

We look forward to providing you with the highest quality products and service.



HUBERCARB Q SERIES CALCIUM CARBONATE

TYPICAL CHEMICAL ANALYSIS

Calcium Carbonate	96.5%
Magnesium Carbonate	2.0%
Silica and Silicates	1.0%
Other	0.5%

OTHER 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 H ₂ O 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 ⁻⁶ /°C.

PRODUCT LISTING

- Hubercarb Q1
- Hubercarb Q1T
- Hubercarb Q2
- Hubercarb Q2T
- Hubercarb Q3
- Hubercarb Q3T
- Hubercarb Q4
- Hubercarb Q6
- Hubercarb G8
- Hubercarb Q60
- Hubercarb Q100
- Hubercarb Q200
- Hubercarb Q200T
- Hubercarb Q325
- Hubercarb Q6-20
- Hubercarb Q20-60
- Hubercarb Q40-200
- Geotex FXZ
- Geotex FXT

APPLICATIONS

- Paint and Coatings
- PVC Pipe
- Joint Compound
- Caulk and Sealants
- Adhesives
- Rubber
- Vinyl Flooring
- Traffic Paint
- Cleansers
- Ceramics
- Drilling Fluid
- Asphalt Products
- Pesticides
- Agriculture

OTHER PRODUCTS

- F Series
- G Series
- M Series
- S series
- W Series
- Huberbrite® Barium Sulfate

PLANT LOCATION

J.M. Huber Corporation
3150 Gardner Expressway
Quincy, IL 62301

ADDITIONAL PRODUCTS AVAILABLE FROM

Fort Dodge, IA
Marble Hill, GA
Marble Falls, TX
Seattle, WA



A FAMILY OF SOLUTIONS
www.hubermaterials.com

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