PLAINTIFF'S EXHIBIT

GP-1991

File - 347

GEORGIA-PACIFIC

INTERDEPARTMENTAL COMMUNICATION

DATE: April 26, 1973

TO: Mr. E. D. O'Niel

LOCATION: Tigard

FROM: A. J. Petraline

LOCATION: Eastern Operations

SUBJECT: ASBESTOS REPLACEMENT

The Interpace S/K, in a round about way, indicated to Bill Nalbone that our competitiors were using Wollastonite as a replacement for asbestos in joint products.

Attached is a copy of Wollastonite specifications, Bill also has a sample of the material, which he will send to you upon request.

A. J. P.

AJP:pjr

cc: Mr. E. B. Hollingsworth - Wilmington

requested samples through Ed Assen

RECEIVED
APR 30 1973

SGP 0006632

INTERPACE CORPORATION

INDUSTRIAL MINERALS INFORMATION

DATA SHEET
INTERPACE WOLLASTONITE

offers the following advantages to manufacturers of Ceramics, Paints, Plastics, and other Products:

LOW OIL AND WATER ABSORPTION • GOOD ELECTRICAL PROPERTIES • VERSATILITY OF APPLICATION

UNIFORMITY • ACICULAR STRUCTURE • BRILLIANT WHITENESS • LARGE, AVAILABLE RESERVES

GENERAL DESCRIPTION OF WOLLASTONITE

Wollastonite, a natural occurring calcium silicate, is theoretically almost pure, and has a remarkable chemical and physical uniformity. Reserves at the INTERPACE deposit are conservatively estimated at 15 million tons. INTERPACE is currently producing six grades of Wollastonite at its plant in Willsboro, New York. Thorough quality control procedures at the plant insure uniform production of all grades.

PROPERTIES OF WOLLASTONITE

Chemical Formula	$CaSiO_3$
Molecular Weight	116
Crystaline Structure	acicular
Specific Gravity	2.9
Coefficient of Expansion (mm/°C)	6.5×10^{-6}
Refractive Index	1.63
Transition Point (to pseudo-Wollastonite, °C)	1200
Melting point (°C)	1540
Solubility in H_2O (gm/100 cc)	0.0095
Hardness (Mohs' scale)	4.5
Color	Brilliant White
Weight (lbs./solid gallon)	24.2
Bulking Value (gal./lb.)	0.0413
pH (10% slurry)	9.9
Moisture Content (per cent)	0.5

CHEMICAL ANALYSIS

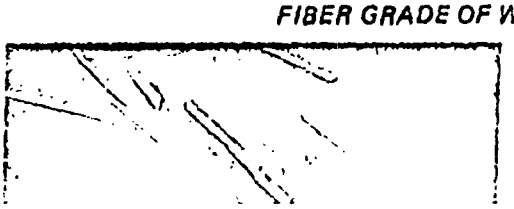
SiO_2	50.90 %
CaO	46.90
FeO	.55
Al_2O_3	.25
MnO	.10
MgO	.10
TiO_2	.05
Loss on Ignition	.90
	99.75 %

WHERE TO USE WOLLASTONITE

Wollastonite $CaSiO_3$ is a natural calcium silicate used in many industries. Among these uses are:

CERAMICS ..... *naturally fritted source of lime and silica for glazes and tile bodies*
PAINTS ..... *fibrous extender to improve leveling and cut oil costs, control pH, and lower gloss*
WELDING FLUX ..... *in welding rod coating and machine welding*
PLASTICS ..... *reinforcement fiber and extending agent*
CEMENTS ..... *fibrous extender*
WALLBOARD ..... *fibrous extender*
GLASS ..... *volatile-free calcium and silica source*
SOIL CONDITIONERS ..... *fibrous alkaline material*

FIBER GRADE OF WOLLASTONITE



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Wollastonite is the only pure white mineral available

TYPICAL VALUES OF WOLLASTONITE BY GRADE

GRADE	P-4	P-1	C-1	C-6	C-101	F-1
Average Particle Size by Fisher Sub-Sieve Sizer	3.0	4.0	5.7	8.0	–	8.2
Particle Size Distribution						
by Sieve Analysis*						
Per Cent Minus 20 Mesh (840 Microns)					77.4	
Per Cent Minus 35 Mesh (500 Microns)					48.5	
Per Cent Minus 45 Mesh (350 Microns)					31.0	
Per Cent Minus 70 Mesh (210 Microns)					15.0	
Per Cent Minus 100 Mesh (149 Microns)					8.6	
Per Cent Minus 200 Mesh (74 Microns)				97.7	1.5	72.2
Per Cent Minus 325 Mesh (44 Microns)	99.9	99.8	96.5	–	–	–
By Sedimentation						
Cumulative Per Cent Minus 20 Microns	97	92	70	60	–	45
Cumulative Per Cent Minus 10 Microns	74	60	42	33	–	22
Cumulative Per Cent Minus 5 Microns	46	34	24	20	–	13
Cumulative Per Cent Minus 3 Microns	35	24	17	15	–	9
Cumulative Per Cent Minus 1 Micron	17	12	11	10	–	7
50% Median Size (Microns)	5.5	8.9	13	16	–	22
Bulk Density (lbs./cu. ft.)						
Loose	45	45	53	57	80	27
Tapped	71	74	80	92	93	52
Oil Absorption (Rub-Out, lbs./100 lbs.)	23.5	25	24.5	22.5	–	45.5
Brightness (G.E.)	93.0	92.7	91.9	90.6	–	84.4

*C-101 by Dry-Sieve—All others by Wet-Sieve

PACKAGING AND SHIPPING

All grades of Wollastonite are packed in multi-wall 50 pound bags. At request, bags are printed with customer identifications. Rapid and efficient delivery of Wollastonite shipments is made at all times.