Technical Data Sheet

Pana-Cal Flour

Product Description: Fine calcium carbonate limestone powder with about 59% passing a 100-mesh screen, this product has multiple uses. Limestone flour is used as an additive for asphalt applications and concrete products, as well as a calcium mineral supplement for animal feed products. Limestone flour reduces the cost and increases the durability of asphalt shingles and asphalt road mixes by displacing expensive asphalt with lower-cost calcium carbonate. In concrete applications, limestone flour increases the strength and improves the workability of concrete by acting as a high-quality paste extender. This displaces the higher cost of cement, and increases the total aggregate content of the concrete mix. The use of calcium carbonate in concrete reduces greenhouse gas production by reducing cement requirements.

Physical Properties:

Specific Gravity	2.74
pH Value	7.58
Dry Brightness (Hunter Y, Rd Value)	89.42
Color	496

Chemical Composition:

Calcium Carbonate	Ca (CO)3	91.96%
Magnesium Carbonate	$Mg(CO)_3$	1.65%
Iron Oxide	Fe_2O_3	0.41 %
Silica Dioxide	SiO_2	4.35 %

Sieve Analysis:

Sieve Series	% Retained	% Retained Cumulative
16	0	0
100	41.8	41.8
140	29.4	71.2
200	17.6	88.8
325	8.9	97.7
Pan	2.3	100

Available Packaging:

Bulk, super sack, or 50 lb. sacks FOB Oxnard, CA. DMI can also provide on-site storage

For more information see the SDS. For the chemical analysis of limestone, ASTM test methods C 25 (classical methods), C 1301 (atomic absorption), and C 1271 (x-ray emission) all measure the concentration of elements. In reporting the results, each test method assumes that the elements in the limestone are present as specific mineralogical oxides and carbonates. For some materials, these mineralogical assumptions may not be applicable and the sum of the compounds may be less than or greater than a theoretical

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