

Precipitated Calcium Carbonate

Ecotancal

What is Ecotancal ?

Precipitated Calcium Carbonate produced through a chemical reaction between highly alkaline wastewater rich in calcium and CO₂ in exhaust gas

Packaging

20kg bag

Flexible container bag

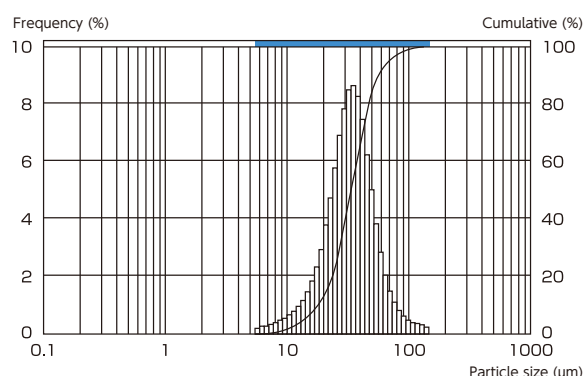
CO₂ reduction effect of Ecotancal : 440 kg-CO₂/t

*When considering the electricity consumption involved in the production of Ecotancal, the netCO₂ reduction is approximately 390 kg-CO₂/t.



Properties of Ecotancal

Item	Value	Measurement method
Particle size (average volume particle diameter MV)	Approx. 30 to 40 μm	Measured by laser diffraction and scattering particle size distribution
Whiteness	Approx. 95%	Hunter whiteness (JIS, 1961)
Bulk density	Approx. 0.5 kg/L	
BET specific surface area	Approx. 5.0 m ² /g	Measured by nitrogen adsorption method
Blaine value	Approx. 3,000 to 4,000 cm ³ /g	JIS R 5201-1997 (JIS, 1997)
Sieve residue (45μm)	Approx. 17%	JCAS K-02-2004 (JCAS, 2004)
Sieve residue (74μm)	Approx. 0.5%	JIS A 5008-1995 (JIS, 1995)
Calcium carbonate purity	95% or higher	JIS K 8617 Calcium carbonate (reagent grade) 7.2



Applications and expected effects of calcium carbonate

Plastics

Reinforcement
Heat resistance improvement

Rubber products

Filler
Reinforcement

Paper

Optical brightening agent
Reinforcement
Opacifying agent

Concrete admixtures

Improvement of flowability and non-separation properties
Increase in compressive strength

Pharmaceuticals

Stomach medicine (antacid), etc.

Paint materials

Whitening agent

Desulfurization materials and others

Removal of SO_x from exhaust gases

Using Ecotancal leads to CO₂ fixation and utilization, contributing to the reduction of CO₂ emissions during concrete production.