

TECHNICAL DATA SHEET

ECC 1

DESCRIPTION & APPLICATIONS

ECC 1 is a fine particle size, high brightness calcium carbonated derived from pure limestone. It is characterized by its high whiteness. **ECC 1** is used in paper, Powder coating (glossy finish), water based paints, solvent based paints, protective paints, printing inks, adhesives and sealants.

CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES

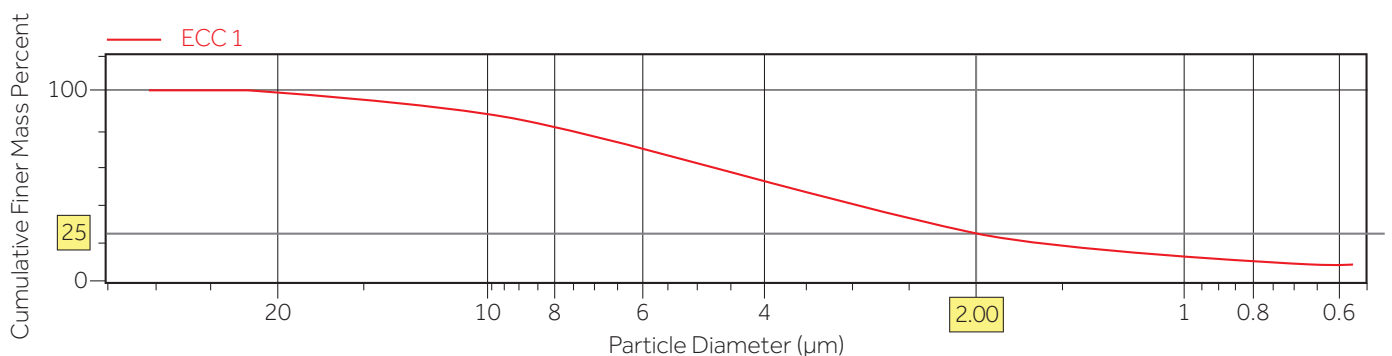
CHEMICAL COMPOSITION		PHYSICAL PROPERTIES	
Content CaCO ₃	99 % MIN	Whiteness	96% MIN (DIN 6174)
Content MgCO ₃	0.20 % MAX	Refractive Index	1.59 %
Content Fe ₂ O ₃	0.01 % MAX	Humidity	0.2 % MAX
Content AL ₂ O ₃	0.04 % MAX	Hardness (Mohs)	3.00
Content SiO ₂	0.01 % MAX	Density of CaCO ₃	2.730 g/cm ³
Content Na ₂ O	0.05 % MAX	pH	9 (ISO 787/9)
Content CaO	56.06% MAX	Oil Absorption	23.0 ml/100g (ISO 787/5)
L.O.I	43.89 % MAX	Bulk Density	0.7 g/ml (ISO 787/11)

FINENESS

Particle Size Distribution by **SEDIGRAPH 5120**:

PARTICLES < 2 μM	MAIN PARTICLE SIZE (D50)	TOP CUT (D98)
25 ± 2 μm	4.0 μm MAX	15.0 ± 1.00 μm

CUMULATIVE FINER MASS PERCENT vs. DIAMETER



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