

ELLITE COLORANTS AND ADDITIVES LLP

Calcium Carbonate: AC25

Technical Data Sheet

PRODUCT INFORMATION:

AC25 is a high brightness Calcium Carbonate powder manufactured from an exceptionally white limestone with excellent matting properties.

RAW MATERIAL PHYSICAL PROPERTIES:

CaCO ₃	99.5%	CaO	55.91%
MgCO ₃	0.30%	SiO ₂	0.09%
Fe ₂ O ₃	0.01%	Al ₂ O ₃	0.04%
HCl insoluble content	0.20%	MgO	0.05%
Cr ₂ O ₃ (PPM)	4- 5 Max	L.O.I	43.64%

PRODUCT PHYSICAL PROPERTIES:

FINENESS:

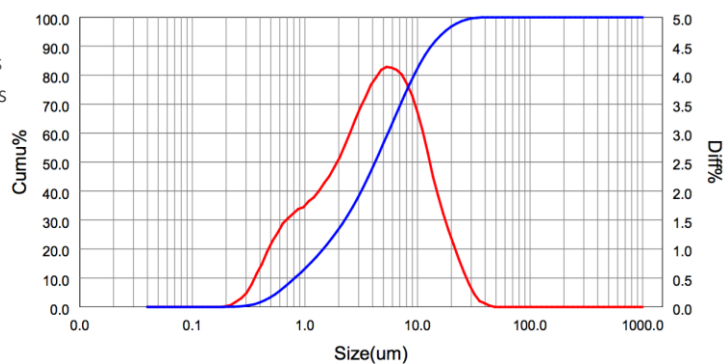
Residue on a 45 Microns sieve (ISO 787/7)	0.01%
Top cut (d97%)	25-26 Microns
Mean particle size (d50%)	4.5 - 5 Microns
Particles < 2 Microns	25 -29 %

WHITENESS:

Brightness (Ry, C/2, DIN 53163)	97.00%
Brightness CIE L*, a*, b* (DIN 6174)	98 / 0.18 / 0.9
Moisture ex works (ISO 787/2)	0.40%

GENERAL PRODUCT DATA:

Loose bulk density	0.7 g/ml
pH value (ISO 787/9)	9
Oil absorption (ISO 787/5)	17 g/100g
VO absorption (ISO 787/5)	18 g/100g



RECOMMENDED APPLICATIONS:

- Powder coating (matt finish)
- Water based decorative paints
- Wall putties
- Solvent based decorative paints
- Protective coatings
- Sealants
- Paper industry
- PVC Pipes
- Other heavy industries like cement.