

METACAL3000

Description

Metacal 3000 is a pozzolan, obtained through calcination and grinding of Kaolin clay.

Physical Characteristics

Test	Norm	Value
Particle size distribution		d(0.1) : 1,8 µm
		d(0.5) : 4,3 µm
		d(0.9) : 12,2 µm
Pozzolanic index (Chapelle test)	NF P18-513, Annex A	1300 mg Ca(OH) ₂ /g
Bulk Density		350 kg/m ³
Humidity (%)	Max. 1,0	< 0,2
Specific area BET		20 m ² /g
Structure		Round structure
Whiteness	>80%	83,1%

Chemical Characteristics

Test	Norm	Value
Chlorides	NF EN 1744-1, art. 7	< 0,005
Al ₂ O ₃ + SiO ₂ (%)	Min. 85	97,0
Chlorides (%)	Max. 0,1	< 0,01
Free Lime (%)	Max. 1,0	< 0,01
Iron content Fe ₂ O ₃ (%)	Max. 0,8	< 0,60

Application

Test	Norm	Value
Water Demand	1,15 - 1,25	1,18
Initial Setting Time	Max 1:25	1:20