

ALUMINIUM POWDER FOR LIGHT WEIGHT CONCRETE

Product: CO 88P

Characteristics	UOM	Test Method	Specification
Sieve analysis: Passing thro 45 µm	%	ISO-1247	80 – 92
Apparent Density (Loose pouring)	g/cc	In-house	0.130 – 0.200
Surface area (Blaines)	cm ² /g	ASTM C-204	13000 – 17000
Active Aluminium content	%	IS-438	90 min
Miscibility in water		In-house	Miscible
Gas evolution at 25°C for 0.07 g of Al Powder in 400 ml of 2 % CaO solution within 16 minutes	ml	In-house	75 min
D50	µm	Malvern-2000	25 – 35

CO 88P Hydrophilic lamellar Aluminium flake powder made out of primary high pure Aluminium ingot of > 99.7 % purity, by atomization of molten Aluminium liquid, followed by safe dry ball milling process in the field of application as gassifier as well as expanding agent for producing light weight Aerated Autoclaved Concrete Blocks; the most important criterion for the use of CO88-P aluminium powder is the gas reaction of the pigments to fit the process to make approx 400-500 kg/m³ AAC block density characteristic.

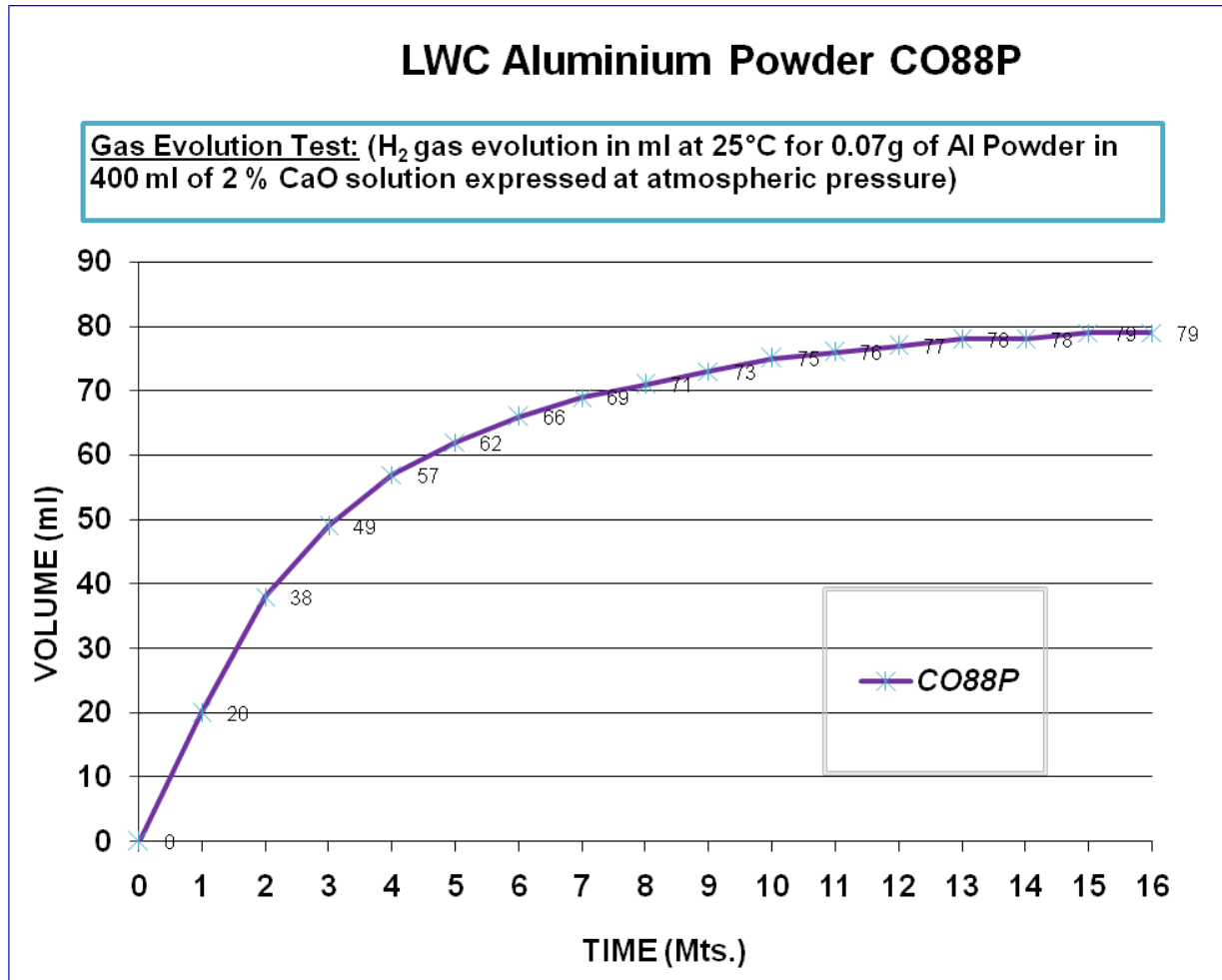
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