

ALUMINIUM POWDER FOR LIGHT WEIGHT CONCRETE

Product: CO 99P

Characteristics	UOM	Test Method	Specification
<u>Sieve analysis:</u> Passing thro 45 µm	%	ISO-1247	88 min
Apparent Density (Loose pouring)	g/cc	In-house	0.140 – 0.200
Surface area (Blaines)	cm ² /g	ASTM C-204	17000 – 21000
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	20 – 30

CO 99P 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 CO99-P aluminium powder is the gas reaction of the pigments to fit the process to make approx 350-400 kg/m³ AAC block density characteristic.

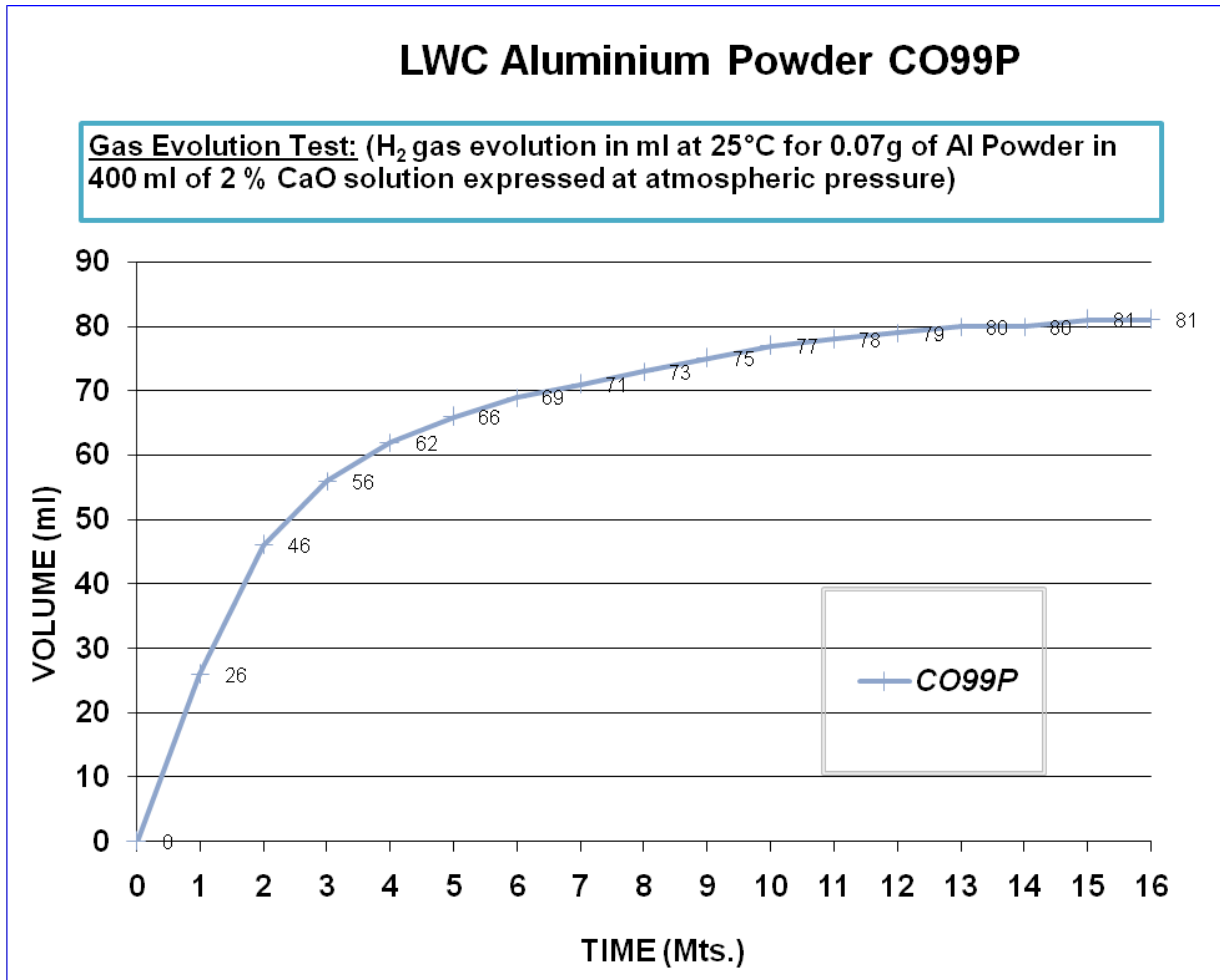
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MEPCO

Thirumangalam,
Madurai
PIN: 625706
Tamilnadu, India
Phone: + 91 4549 280599
Fax: +91 4549 281273

E-mail: info@mepco.co.in
Web: www.mepco.co.in

Edition: 09.03.2019
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