



Technical Data Sheet

ALUMINIUM POWDER FOR LIGHT WEIGHT CONCRETE

Trade Mark: NICO99P

Characteristics	UOM	*Test Method	Specification
<u>Sieve analysis:</u> Passing through sieve 45 µm	%	M/QA/SOP/003	90 min
Apparent Density	g/cc	M/QA/SOP/004	0.15 - 0.19
Surface area	cm ² /g	M/QA/SOP/037	17000 - 22000
Active Aluminium content	%	M/QA/SOP/016	90 min
Particle Size Distribution: d50%	µm	M/QA/SOP/038	15 - 20
Miscibility in water		M/QA/SOP/029	Miscible
<u>Gas evolution at 25°C:</u> Volume of gas collected in 16 minutes	ml	M/QA/SOP/007	75 min

* M/QA/SOP/003, M/QA/SOP/004, M/QA/SOP/037, M/QA/SOP/016, M/QA/SOP/038, M/QA/SOP/029 & M/QA/SOP/007 are based on ISO-1247, ASTM B-417, ASTM C-204,, IS: 438, Malvern, In-house & In-house respectively.

NICO 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 NICO99-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..

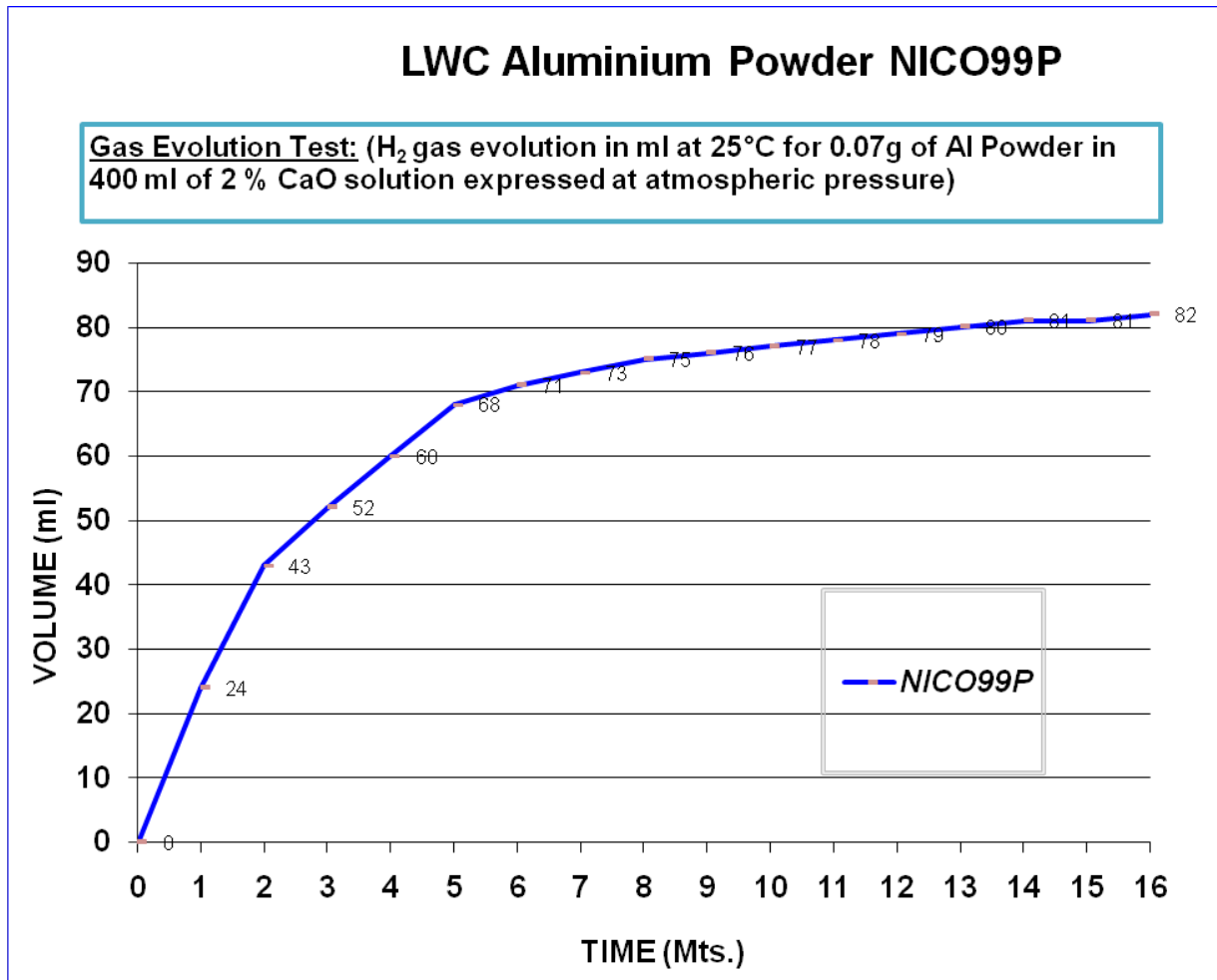
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