

### Product Description

Milled flake Aluminium powder is specially produced for adding into the aqueous alkaline slurry to evolve hydrogen gas bubbles in the making of light weight AAC Blocks and Foundation cementitious grout. Different grades of powders are processed with specific attention to the size of bubbles formed and rate of evolution of gas to suit individual customer's requirement.

### Product Specification

Characteristics	Test Method	Specification	
		Minimum	Maximum
Free Al. Purity % (min.)	In House	92	
Apparent Density gm/cc	ASTM B 417-76	0.16	0.20
Blaine cm <sup>2</sup> /gm	ASTM E 204-55	7000	8000
Particle Size Distribution D50 (µm)	Sympatec (Helos BF/BR - Magic)	55	60
H <sub>2</sub> Gas Evolution at 25°C in 16 Min. (cc)	In House	65 (min)	--
Miscibility in Water	In House	Miscible	
Wet Sieve Analysis (Retention on 45 µm % )	ISO 1247	--	46% Max

### Standard packing:

MS Drums duly painted inside and outside with Aluminium paint with 30 kg net content.

### SHELF LIFE & STORAGE

Aluminium Powder Flakes has a shelf life of 24 months from date of manufacture when kept at a temperature between 5°C to 45°C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

### Quality Assurance

AMBICA SPECIALITY CHEMICALS is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2015.

### HEALTH & SAFETY

Aluminium Powder Flakes is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.