



ARGICAL™ - M 1200S

METAKAOLIN (NORME NF P18-513) - A - F_H - W_H

ARGICAL-M 1000 is an artificial pozzolan (metakaolin). It is obtained by calcining and micronising a kaolinitic clay from the Charentes basin.

ARGICAL-M 1000 is a dehydroxylated aluminium silicate. Its general formula is Al₂O₃.2SiO₂. It is an amorphous non-crystallised material, constituted of lamellar particles.

APPLICATION

Pozzolanic additive for concretes, mortars and coatings, made from Portland cement or lime.

CHEMICAL ANALYSIS (% on fired)

SiO ₂ + Al ₂ O ₃	95
Chloride	< 0,1
Free calcium oxyde	< 0,1
Loss on ignition	1
Methylen Blue	7g/kg of Metakaolin

PHYSICAL PROPERTIES

Pozzolanic index (Chapelle test)	1400 mg Ca(OH) ₂ /g	
Activity index (28 days)	1,10	
Water Demand (W _H)	1,18	
Brightness	L*: 90	
Specific area (BET)	25 m ² /g	
Specific gravity	2,4 g/cm ³	
Bulk density	LOOSE 250 kg/m ³	TAMPED 400 kg/m ³

PARTICLE SIZE DISTRIBUTION

> 63 µm	0,1%
> 36 µm	1%
	d50 = 1,5 µm

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IMERYS REFRACTORY MINERALS
17 270 Clérac - FRANCE



Tel: +33(0)5.46.04.17.11
E.mail: refractory.minerals@imerys.com

www.imerys-refractoryminerals.com