Product Definition

Calcined Clay

The LKAB Minerals Calcined Clay is a Natural Pozzolana Calcined Clay that contains no additional materials, additives or grinding aids.

Calcined Clay is a Supplementary Cementitious Materials (SCM) that can be used in all types of concrete. It has many benefits including a low carbon footprint compared to CEM I, improved durability and continued strength development beyond 28 days.

The material is tested to conform to the requirements of BS 8615-1 2019 'Natural Pozzolana and Natural Calcined Pozzolana'

Non-specified properties / supplementary information

Chemical analysis	**% by weight**
Silicon as SiO_2	54
Aluminium as Al_2O_3	18
Iron as Fe_2O_3	6
Chloride content Cl	0.01
Loss On Ignition	1.3
Alkali content Na_2O_{eq}	2.5
Sulphate content SO_3	2.4
Total Organic Carbon	0.04
Clay Content	0.2

Physical properties	
28 Day Activity Index (%)	80
Fineness % passing 45 µm (%)	70
Soundness (mm)	1.0
Initial Setting Time (mins.)	190
Particle Density (kg/m^3)	2760
Moisture Content (%)	0.3
Colour - Brightness	L* 67
Colour - Description	Salmon

The chemical and physical data are expected average figures and is given in good faith but without guarantee. All chemical analyses are in the dry state. The only warranty LKAB Minerals makes is the express written warranty extended on the sale of its products. Calcined Clay Data Sheet, 20-01EN, 24-07