



Innovation with Purpose

CemteQ Construction Perlite data sheet



Product Description: CemteQ construction-grade perlite is a medium-sized exfoliated perlite supplied loose in 100 litre bags for use as a plaster and screed aggregate, lightweight, insulating concrete aggregates, in refractory castables, in loose fill insulation and as a filler in textured paint.

Physical Properties:

Loose Bulk Density (kg/m ³)	130-180
Compacted Bulk Density (kg/m ³)	150-180
pH	6.5-7.5
Moisture Content (%)	0.05
LOI (%)	1.74
Thermal Conductivity (W/m.K)	0.04-0.05

Typical Sieve Analysis:

Sieve Aperture (Microns)	Mass (%)
2000	10-30
1000-2000	46-65
500-1000	5-30
250-500	0-10
<250	0-5

Mass per Bag: 12-15kg

Volume per Bag: 100l

Product Colour: White

Description of Bag: White polypropylene bag – stitched

Mixing: Mix ratios are expressed by volume in litres, not by weight.

3:1 Mix Ratio	1 x bag of CemteQ Perlite (100l) : 1 x 50kg bag of cement (33l) + water
4,5:1 Mix Ratio	3 x bags of CemteQ Perlite (300l) : 2 x 50kg bags of cement (66l) + water
6:1 Mix Ratio	2 x bags of CemteQ Perlite (200l) : 1 x 50kg bag of cement (33l) + water
<p>NB: Use only clean, drinkable water. For lightweight screed, add just enough water for an even, dry-mix consistency similar to a traditional river sand screed. The right consistency should ball in the hand without bleed water and without falling apart. For other applications, use just enough water for the consistency and slump required. For further specifications, visit our website.</p>	

- Shelf Life:** Indefinite. Handle with care as perlite particles are fragile and may be crushed under weight resulting in a loss of performance.
- Storage Instructions:** Keep in a dry place. Place on a raised wooden platform or on plastic sheeting.
- Health and Safety:** Exfoliated perlite is non-toxic. When mixing with other materials, it is always advisable to wear suitable protective clothing including mask, boots, gloves and safety glasses. If contact with skin or eyes occurs, wash with water immediately. If irritation continues, seek medical advice. Please refer to the Material Safety Data Sheet (MSDS) prior to the use of this product. E-mail info@cemteq.com or visit www.cemteq.com for a copy of the MSDS.
- Environment:** CemteQ perlite is inorganic, non-toxic and environment-friendly. Please dispose of excess material responsibly and recycle the bags.

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