



EcoPerl – High Insulation, Ultra-lightweight, Perlite-based Composite

Product description	CemteQ EcoPerl incorporates a special blend of high quality cement and lightweight, insulating Perlite aggregate for high-insulation, ultra-lightweight applications.
Composition	CemteQ EcoPerl consists of a blend of 42,5R grey cement and SunPerl IM100 Construction Grade Perlite.
Advantages	EcoPerl is a high insulation, ultra-lightweight, Perlite-based composite screed that is most commonly used in projects requiring a high R-value, saving significantly on energy costs.
Uses	<ul style="list-style-type: none"> ○ High thermal insulation ○ Ultra-lightweight ○ Fire-protection ○ Acoustic insulation
Mass per bag	9kg
Volume per bag	35l
Coverage per bag	1 bag of CemteQ EcoPerl will cover approximately 0.4m ² at 85mm thick
Bulk Density	Loose = 280-290kg/m ³ In-situ cured = 360-370kg/m ³
Conductivity (W/m·K)	0.06911
Compressive strength	Typically between 0.5MPa and 1.0MPa at 28 days dependent on water content.
Application temperature	+5°C to +35°C.
Water requirement	4 to 4.5 litres
Product colour	Grey
Description of bag	White paper bag with valve spout
Shelf Life	3 months from date of manufacture printed on the packaging when stored at below 35°C under shade in a dry environment.

INSTALLATION GUIDELINES

Preparation, Mixing and Method

1. ScreedPerl should be mixed manually to avoid product densification.
2. Empty all of the contents of the bag. It is NOT advisable to use a portion of a bag as some settlement of the material may have occurred during transit.
3. Use only clean, drinkable water and mix to an even dry-mix consistency on a pre-wet surface. DO NOT OVERMIX.
4. Spread the mix and TAMP DOWN GENTLY. Perlite particles are fragile and overmixing will cause the Perlite to pulverize, resulting in performance loss.
5. DO NOT OVERWATER as too much water will weaken the mix.
6. DO NOT REWORK by mixing in additional water.
7. After the completion of the surface finishing, cover with plastic sheeting for at least 7 days to prevent loss of moisture. In cold weather, this period should be extended.

For a step-by-step guide to applying the product, please request our "How-to screed a floor or roof" document or download it from our website at www.cemteq.com.

Storage instructions

Keep in a dry place. Protect bags from rain, water and moisture. Place on a raised wooden platform or on plastic sheeting to prevent rising damp. Use within 3 months of the date of manufacture printed on the bag.

Health and Safety

Always wear suitable protective clothing, 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 call +27-11-824-4600 for a copy of the MSDS.

Disclaimer

For satisfactory results, these instructions need to be followed carefully. CemteQ has no control over how this product will be stored, handled or used and therefore will not be held responsible for its performance.

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