

Techniclay Lightweight Expanded Clay Aggregate



Price: £7.00 - £103.50 Excl. delivery & VAT

Product Categories: [Expanded Clay & Foam Glass](#), [Limecrete Floor Systems](#), [Natural Insulation](#)

Product Tags: [aerponics](#), [Clay Aggregate](#), [clay aggregate balls](#), [drainage](#), [Expanded Clay Insulation](#), [hydroponics](#), [leca](#), [light expanded clay aggregate](#), [lightweight aggregate](#), [Limecrete](#), [limecrete floor](#)

Product Page:

<https://www.mikewye.co.uk/product/lightweight-expanded-clay-aggregate/>

Product Variants

- Techniclay Lightweight Expanded Clay Aggregate (#10909) Grading: 0-20mm Uncoated, Unit Size: 50 Litre bag
- Techniclay Lightweight Expanded Clay Aggregate (#10910) Grading: 0-20mm Uncoated, Unit Size: 1.2m³ dumpy bag

- Techniclay Lightweight Expanded Clay Aggregate (#10917) Grading: 10-20mm Uncoated, Unit Size: 50 Litre bag

- Techniclay Lightweight Expanded Clay Aggregate (#10912) Grading: 10-20mm Uncoated, Unit Size: 1.2m³ dumpy bag

- Techniclay Lightweight Expanded Clay Aggregate (#10913) Grading: 2-8mm Uncoated, Unit Size: 50 Litre bag

- Techniclay Lightweight Expanded Clay Aggregate (#10914) Grading: 2-8mm Uncoated, Unit Size: 1.2m³ dumpy bag

- Techniclay Lightweight Expanded Clay Aggregate (#10916) Grading: 10-20mm Coated, Unit Size: 1.2m³ dumpy bag

Product Description

Lightweight Expanded Clay Aggregate by Techniclay consists of porous, ceramic granules formed by expanding special clay at high temperature.

Lightweight expanded clay aggregate uses:

Mike Wye LABC approved limecrete floor systems.

Geo-technical and Civil Engineering Projects.

Ground Insulation.

Concrete Block Manufacture.

Horticulture.

Hydroponics.

Aeroponics.

Drainage.

Mix 0-20 mm Uncoated lightweight expanded clay aggregate with NHL for use with

limecrete floors as an insulating, light weight aggregate in slabs.

The 10-20 mm Coated version of the lightweight clay aggregate is free-draining and is non-capillary action. It has good load-bearing properties and good thermal qualities ($k = 0.11 \text{ W/mK}$) making it suitable as a sub-base in [limecrete floor systems](#).

Expanded clay nodules are produced by sophisticated pyrogenic technology whereby geo-chemically specific clay is expanded to 5 times its original volume in a rotary kiln at a specifically controlled temperature and rate of flow.

Each individual clay nodule is composed of hundreds of minute air cells, contained within a hard and strong vitrified outer shell.

Low density.

Improved thermal performance.

Sustainable (reduced quarrying of virgin aggregates).

Blends with local aggregates for maximum economy.

Naturally non-combustible.

Increased yield.

Proven durability.

Manufactured in the UK.