

Recycled graphite EPS beads — technical data sheet

Dry insulating fill material. Staenis supplies this product in 145 L bags.

Product description

Renewworks Pearls Graphite are carefully recycled graphite EPS beads with high insulation performance. Solar energy is used for recycling. EPS waste comes from local partners who collect it in 100% recycled, reusable waste bags. A fraction of graphite dust may be present.

The source sheet lists 145 L and 220 L packaging. The version offered in this webshop is 145 L.

Specifications

Property	Value / condition
Average diameter	5 mm
Thermal conductivity, dry	$\lambda \approx 0.034 \text{ W/(m·K)}$
Bulk density, dry	$\rho \approx 14 \text{ kg/m}^3$

The source states that these specifications were tested by WTCB on a laboratory sample. According to the source, the concrete technology laboratory involved is BELAC-accredited. These figures are not a new Staenis test and relate to the tested sample.

Use and installation

The source illustrates applications in cavity walls, timber floors, crawl spaces and Staenis CircoFloor / Staenis grid.

For a timber floor, crawl space or Staenis CircoFloor, the beads are simply poured out of the bag. Wearing a dust mask is recommended.

For cavity wall insulation, the beads may be mixed with a water-based adhesive. The source does not specify an adhesive type, dosage or installation system. Have these application conditions established beforehand for the intended construction.

According to Staenis product information, this is a non-load-bearing dry fill. The material alone does not form a load-bearing floor layer.

Original product documentation

[Renewworks - original Pearls Graphite technical data sheet \(NL\)](#)