



Certificate No: EW332



This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

EcoStrata Ltd - TECHNOpor Recycled Glass Foundation / Thermal Insulation System

Description of Product

TECHNOpor is an ecofriendly insulation for floor construction and foundations for low energy housing manufactured from 100% waste glass.



Key Factors Assessed

- Mechanical Resistance & Stability - Approved Document A
- Health, Hygiene and Environmental - Approved Document C
- Safety in Use - Approved Document A
- Energy Economy and heat retention - Approved Document L

Validity

This certificate was first issued on 1st October 2012 and is valid until 1st October 2015.

Issue Dated 11th August 2014

Scope of Registration

This Registered Detail applies to the manufacture of loose foam glass granulate/foam glass ballast and its use as loose fill thermal insulation.

Foam glass granulate/foam glass ballast (to be referred to hereinafter as thermal insulation material) is an artificial broken aggregate that is produced from recycled glass granules 30-50 mm by means of foaming. At the place of use, a thermal insulating layer is produced using the thermal insulation material in question by means of tipping and compacting. The name of the thermal insulation material is "TECHNOpor Perimeter 50".

The application is for the concept of the design and therefore requires calculations for each application to support the site conditions applicable.

Conditions of Certificate

Supplementary protection is required where the ground contains gas, for example radon.

A site specific calculation is required with each application, which will include all design criteria and topography.

Appropriate thermal analysis will be provided in each instance to demonstrate continued compliance with Approved Document L 2013.

It is important to note that the design works well with a stable base and any ground variations such as a mining or localised soft spots will need additional measures as the product is not designed to bridge an area of weakness. Where poor bearing capacity is in evidence the system should always include a Geogrid.

LABC consider that, TECHNOpor, if used in accordance with the provisions of this Certificate, will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;



The Building Regulations 2010 (as amended) England & Wales

| | |
|--------------|---|
| Regulation 7 | Materials and workmanship |
| Note: | The products are acceptable. |
| AD A | Structure |
| Note: | Subject to limitations detailed below in Conditions section. |
| AD C | Site preparation and resistance to contaminants and moisture |
| Note: | Subject to limitations detailed below in Conditions section. |
| AD L1B | Conservation of fuel and power |
| Note: | The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the floor structure. |



The Building Regulations 2010 (as amended) England

| | |
|--------|---|
| AD L1A | Conservation of fuel and power |
| Note: | The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the floor structure. |



The Building Regulations 2010 (as amended) Wales

| | |
|--------|---|
| AD L1A | Conservation of fuel and power |
| Note: | The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the floor structure. |



The Building (Scotland) Regulations 2004 (as amended)

If you would like to discuss a specific use of the product in Scotland it will require an additional assessment under the Scottish Building Regulations and accordingly you should contact the LABSS STAS Administrator at www.labss.org

Non-Regulatory Information



LABC Warranty

The use of the TECHNOpor System has not been assessed to meet the requirements of the LABC Warranty Technical Manual. If you would like to discuss a specific use please make an enquiry to technical.services@labcwarranty.co.uk

Supporting Documentation

1. What is it?
2. Building on Glass.
3. New Build - Isometric Details.
4. New Build - 3D.
5. Refurbishment - 3D.
6. Design Data.
7. Installation instructions.
8. Design Guide - ground floor domestic.
9. DIBt Certificate.
10. Technical Data.
11. Technical Data.
12. Declaration of Performance.
13. Case Studies.

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