2.2.1 Façade - Foamglas Insulation With Thick Coat Render

Generated on 13.07.2020

FOAMGLAS®
31-35 Kirby Street
Hatton Garden
London
EC1N 8TE

Tel: +44 (0)20 7492 1731

www.foamglas.co.uk
info@foamglas.co.uk

Detailed description

Properties:

- Waterproof.
- High compressive strength without deflection or movement.
- Non-combustible.
- Impervious to water and water vapour.
- Sealed cellular structure.
- Dimensionally stable.
- Acid resistant.
- Easily cut to shape.
- Resistant to vermin.
- Recycled content scrap glass: Minimum 60%.
- Ozone Depletion Potential (ODP): <1%.
- Global Warming Potential (GWP): Zero.
- GreenSpec rating, see 'Cellular Glass' or 'Foamed Glass'.
- Green Guide rating, see 'Cellular Glass'.

Advantages:

- Quality: Systems with high quality materials; management by systematic site inspections and professional consulting.
- Cost efficiency: The high durability preserves maximum value and ensures minimal maintenance costs.
- Sustainability: Optimum insulation performance and protection against moisture for future generations. Scrap can be reclaimed and re-cycled to make new Foamglas.
- Insulation performance: Insulation performance is permanent; ageing does not take place. Use above and below ground, unaffected by moisture, humidity and compressive loads. Proven to retain its thermal and vapour control characteristics for > 50 years.
- No thermal bridging: Fully bonded insulation systems, with a minimal quantity of thermally isolated fixings to prevent thermal bridging.
- Non-toxic: Foamglas cellular glass contains no toxic substances, does not contaminate water or the ground, in cases of fire, does not develop fumes or toxic gases.
- Sealed structure and non-hydroscopic: Each cell has a glass wall, giving the unique structural strength, vapour tight and non-hydroscopic properties.
- A separate vapour barrier is not required: With its purpose manufactured adhesives, Foamglas is suitable for extreme humidity environments and gives control of the vapour drive in any direction.

Foamglas is an insulation and vapour barrier in one single material.

- High compressive strength: Capability to withstand high compressive loads without deflection or movement.
- Dimensional stability: Very low rates of thermal movement, mechanical fixings are not required to prevent delamination from the parent structure.

Product guidance - As Standard

Characteristics:

- Thermal performance is permanent and never changes.
- Manufactured from recycled glass (minimum 60%) and natural raw materials which are available in abundant supply - sand.
- The insulation is totally inorganic, contains no ozone depleting propellants (CFCs, HCFCs etc), flame resistant additives or binders; VOC or other volatile substances.
- For substrate quality and suitability, see Technical Guide TG1.

- Foamglas® Slab (T4+):

- Density (EN 1602, ± 10%): 115 kg/m³.
- Length (EN 822, ± 5 mm): 600 mm
- Width (EN 822, ± 2 mm): 450 mm.
- Thermal conductivity (EN ISO 10456): ≤ 0.041 W/m·K.
- Reaction to fire (EN 13501-1): Euroclass A1.
- Compressive strength (EN 826 annexe A): ≥ 600 kPa.
- Flexural modulus of elasticity (EN12089): 700 MN/m².
- Bending strength (EN 12089): ≥ 450 kPa.
- Tensile strength (EN 1607): ≥ 100 kPa.
- Thermal expansion coefficient (EN13471): 9 x 10-6 K.
- Impervious to water vapour (EN ISO 10456): μ=∞ infinity,
- Green Guide rating A.
- CEN Keymark: 001-BK-516-001-0026-T00A.

CPR DOP: 100010015.

Options

Insulation:

- Thickness:

Where required for thickness >180 mm, use double layers of minimum 90 mm per layer. Where required for thickness >160 mm, use double layers of minimum 80 mm per layer.

Product specification

Manufacturer

FOAMGLAS®

- Name: FOAMGLAS®

- Web: www.foamglas.co.uk

- Email: info@foamglas.co.uk

- Tel: +44 (0)20 7492 1731

- Fax: +44 (0)20 7492 1730

- Address: 31-35 Kirby Street,Hatton Garden,London EC1N 8TE

Product reference	2.2.1 Façade - Foamglas Insulation With Thick Coat Render
Primer	PC®EM
Insulation	
- Type	Foamglas® Slab (T4+)
- Thickness	50 mm 60 mm 70 mm 80 mm 90 mm 100 mm 110 mm 120 mm 130 mm 140 mm 150 mm 160 mm 170 mm 180 mm
Adhesive	PC® 56
Reinforcement mesh	Mechanically fastened, as section M21
Render	As section M21