

Graviflex Membrane

Product Ref: (DsG5-0110)

Issue No: 06-0721



WATERPROOFING SYSTEM FOR ROOF GARDENS AND MULTI-USE FLAT ROOFS

DESCRIPTION

Graviflex is a high performance reinforced SBS elastomeric bitumen sheet with root-inhibiting additive and mineral finished surface for waterproofing works. It is the top layer for a universal system with different uses on the same flat roof, including; planted, access for pedestrians, access for light vehicles and inaccessible areas with gravel or self-protected.

USES

- Waterproofing of roof gardens or flat roofs with different uses: planted areas, access for pedestrians, and access for light vehicles.
- On wood or concrete decks.
- On thermal insulation boards that are suitable for these purposes.
- With protection: soil or growing medium, paving on corner supports, block paving on sand, bitumen macadam, gravel ballast, etc.

PACKAGING

Roll of 5m x 1m
Nominal weight: 26.13kg

COLOURS

Graviflex comes in Green

APPLICATION

Fixing is generally in accordance with BS 8217: 2005 and BS 8000: Part 4: 1989 using the torch-on method.

Graviflex is fully bonded by torching to a suitable under layer with side laps determined by the selvedge (minimum 80 mm) and minimum 150 mm end laps. At end laps, it is essential to work the granules into the bitumen coating to ensure a homogeneous and watertight bond.

Contact Langley Waterproofing Systems Ltd for detailed specifications and fixing instructions.

Langley Waterproofing Systems Limited

Langley House, Lamport Drive, Heartlands Business Park, Daventry, Northants. NN11 8YH

Tel: 01327 704778 Fax: 01327 704845 Web: www.langley.co.uk

Graviflex Membrane

Product Ref: (DsG5-0110)

Issue No: 06-0721

Main areas:

The **Graviflex** system comprises two waterproofing membranes bonded together by torching. On main areas, Graviflex can be used with either the Paradiene S VV under layer or Adepar JS underlays (warm roofs), bonded with hot bitumen (on roof gardens only). In all cases, the **Graviflex** top layer is fully bonded to the under layer by torching.

Upstands:

The upstands on roof gardens and green roofs always comprise a top-layer of **Graviflex** over Paradiene 35 SR4 or other specified underlay.

Roof gardens, Inaccessible planted areas & Pedestrian areas:

Contact Langley Waterproofing Systems Ltd for further information.

TYPICAL PROPERTIES

- Thickness: 3.2mm
- Non-woven polyester reinforcement: 180g/m²

Performances:

KIND OF TEST	Reference Norm	Units	Nominal values
Tensile strength at max	EN 12 311-1	N/50mm	850 x 600
Elongation at max	EN 12 311-1	%	40 x 49
Nail tearing resistance	EN 12 310-1	N	= 200 x 220
Cold temperature flexibility	EN 1109	°C	= - 20
Heat flow test	EN 1110	°C	= 100
Dimensional stability	EN 1107	-1 %	= - 0,5
Static puncture resistance	EN 12730 A and B	kg	20
Dynamic puncture resistance	EN 12961 A	mm	800
	EN 12961 B	mm	1500
Waterproofing	EN 1928	-	Pass
Resistance to roots penetration	EN 13984	-	Pass

STORAGE

This product is packaged in rolls set up vertically on pallet or wooden box. It must be stored vertically under shelter, away from heat sources.

HEALTH & SAFETY

This product is not classed as hazardous.

This document is only a guide. Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.