

Graviflex (HM)

Product Ref:
Issue No:

(DsHM3-0216)
01

COMPONENT PRODUCT TO PARATECH HOT-MELT ROOFING SYSTEMS

DESCRIPTION

Graviflex (HM) is a fully bonded high performance reinforced SBS elastomeric bitumen membrane cap sheet used in combination with Paratech Hot-Melt modified bitumen.

USE

Graviflex (HM) is for green roofs and roof gardens on flat or 'zero' pitched concrete substrates.

COMPOSITION

Bitumen compound:	SBS elastomeric bitumen
Reinforcement:	Polyester
Surfacing:	Sand/Sand

NOMINAL DIMENSIONS & WEIGHTS

Value	Nominal
Thickness on longitudinal selvedge (mm):	3.2mm
Thickness main surfaces (mm):	3.2mm
Roll length and width (m):	8 x 1m
Weight/m ² (kg/ m ²):	4.4kg
Weight/roll (kg):	35.7kg



PHYSICAL AND MECHANICAL PROPERTIES

Property (as Manufactured)	Test Method	Nominal values
Tensile strength at max:	EN 12 311-1	850 x 600 N/50mm
Elongation at max:	EN 12 311-1	40 x 49%
Nail tearing resistance:	EN 12 310-1	200 x 220 N
Cold temperature flexibility:	EN 1109	≤ - 20° C
Heat flow test:	EN 1110	≥ 100° C
Dimensional stability:	EN 1107-1	≤ - 0.5%
Static Puncture resistance (soft substrate):	EN 12730 A	20kg
Static Puncture resistance (hard substrate):	EN 12730 B	20kg
Impact resistance (hard substrate):	EN 12691-A	800mm
Impact resistance (soft substrate):	EN 12691 B	1500mm
Waterproofing:	EN 1928	Pass

Values: Where 2 values for given characteristics are shown, the first is for longitudinal direction and the second is for the cross direction.

APPLICATION

Graviflex (HM) is applied over Paratech Hot-Melt bitumen. It is unrolled and positioned on the Paratech R reinforcement and then re-rolled. It is finally rolled into, and bonded by, the Paratech Hot-Melt bitumen. Side laps minimum 80mm and head laps minimum 100mm fully torched.

SAFETY

This product is not classified as hazardous.

STORAGE

Graviflex (HM) should be stored on end, under cover, on a firm dry base and away from heat sources.

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.