

HM-40 PARATECH Hot-Melt Roofing System

(SDsH1-0316)
Issue No: 4 - March 18

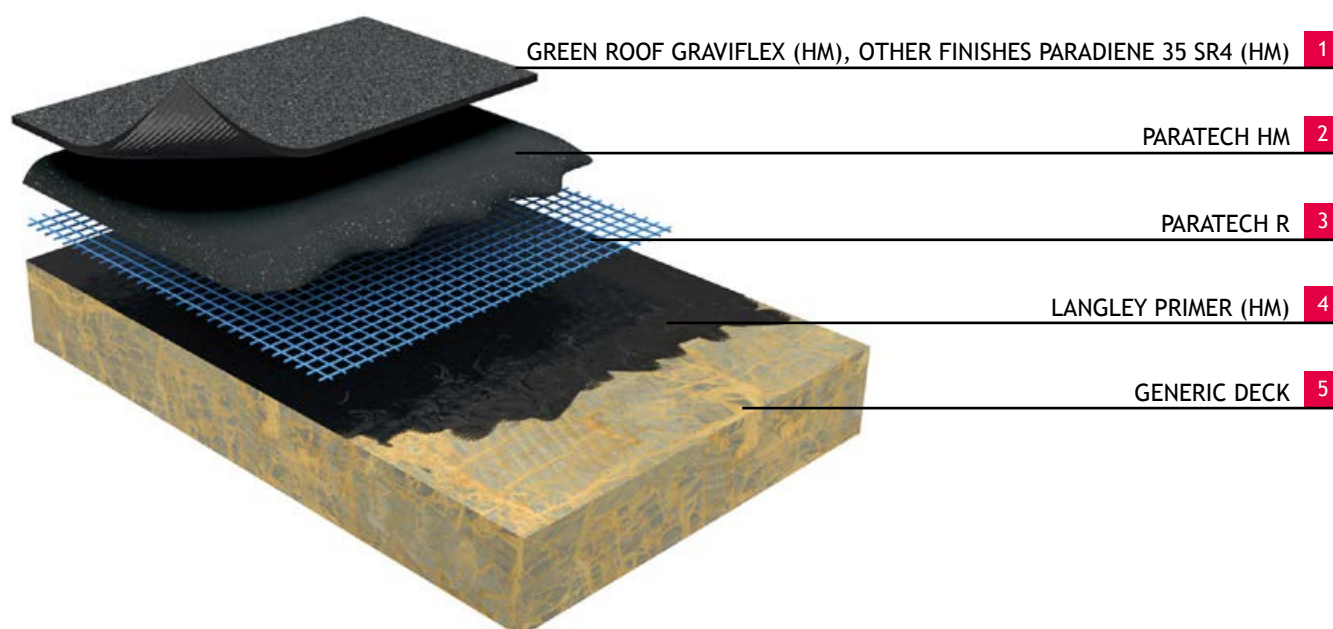
HM-40

Langley HM-40 system is a robust, durable and extremely flexible monolithic, self-healing hot-melt waterproofing system designed for both flat roofs (including 'zero falls') and structural waterproofing.

A single application fully bonded system, the second generation HM-40 is the ultimate waterproofing solution for protected roofs, green roofs, terraces and podium decks that carries a 40 year warranty.

When to Specify

The system is for new build projects where a fast installed fully bonded system is required. Primarily used for concrete substrates it can also be used on plywood and for a warm (inverted) or cold roof configuration. Protection can be either in the form of polystyrene insulation (warm roof), round washed pebbles, paving/podium or a green roof system.



HM-40 System					
Layer		Thickness		Weight	
1	Protection	Paradiene 35 SR4 (HM) Graviflex (HM)	3.5mm 3.2mm	Paradiene 35 SR4 (HM) Graviflex (HM)	4.6kg/m ² 4.4kg/m ²
2	Paratech HM	3 - 5mm		3 - 5kg/m ²	
3	Paratech R Reinforcement	1mm		0.11kg/m ²	
Total System		7-8mm		Paradiene 35 SR4 (HM) Graviflex (HM)	9.71kg/m ² 9.51kg/m ²

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Durability

- Extremely robust, yet flexible, monolithic elastomeric waterproofing system.
- Root resistant when specified as a green roof (Graviflex (HM) cap sheet).
- Reinforced with a coated glass mesh (for alkaline protection).
- Permanently elastomeric.



Resistance

- Tensile Strength: EN 12 311-1 700 x 550 N/50mm.
- Elongation at Max: EN 12 311-1 40 x 45%.
- Static Puncture Resistance (hard substrate): EN 12730-B-20kg.
- Impact Resistance (hard substrate): EN 12691-A 1000mm.
- Fire Rating: Unrestricted under National Building Regulations (when covered with ballast, paving slabs and/or irrigated green roof).



Life Span

- Long-term solution, life expectancy in excess of 40 years.



Proven

- Paratech membranes are covered by a BBA Agrément Certificate.
- The Langley HM-40 System meets NHBC Technical Standards Chapter 7.1 for roofs and balconies.



Installation

- Rapid installation process, large areas can be covered very quickly. Phased construction is possible.
- The robust nature of the system allows it to be quickly accessed by following trades.



Guarantee

- The system carries a 40 year warranty for both materials and workmanship.
- Installed by our national network of Langley Approved Contractors and installers, ensuring only the highest quality of installation is maintained.



Holistic Package

- For users' peace of mind, this system is supported by the full Langley package that includes: technical and design advice, specifications, site monitoring and reporting, warranty inspections, all at no additional cost.