

HM-40 Paratech Hot-Melt Roofing System

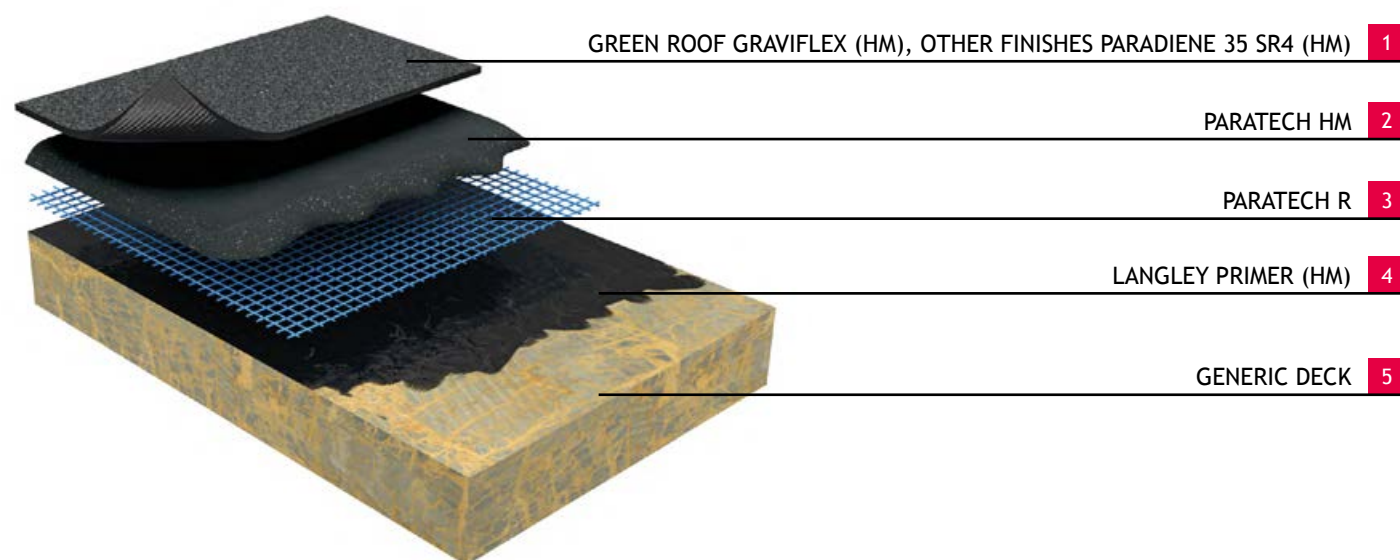
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Paratech Hot-Melt

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, this second generation hot melt system is the ultimate waterproofing solution for protected roofs, green roofs, terraces and podium decks that carries a 40 year warranty. With various primers, including moisture triggered the HM-40 is ideally suited to new build projects where time is critical to waterproof the roof, and allow first fix for the internal of the building.

When to Specify

The system is primarily 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 (inverted warm roof), round washed pebbles, paving/podium, blue or green roof system.



Example installation depth shown above is typical.

HM-40 System				
Layer		Thickness		Weight
1	Protection	Paradiene 35 SR4 (HM) 3.5mm Graviflex (HM) 3.2mm		Paradiene 35 SR4 (HM) 4.6kg/m ² Graviflex (HM) 4.4kg/m ²
2	Paratech HM	3 - 5mm		3kg/m ²
3	Paratech R Reinforcement	1mm		0.11kg/m ²
Total System		7-8mm		Paradiene 35 SR4 (HM) 7.71kg/m ² Graviflex (HM) 7.51kg/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).



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.



Certified and Proven

- Paratech membranes are covered by a BBA Agrément Certificate.
- 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: surveys, condition reports and proposals, specifications, site monitoring and reporting, technical and design advice, guarantee inspections, all at no additional cost.