

SA-20 Flame Free System

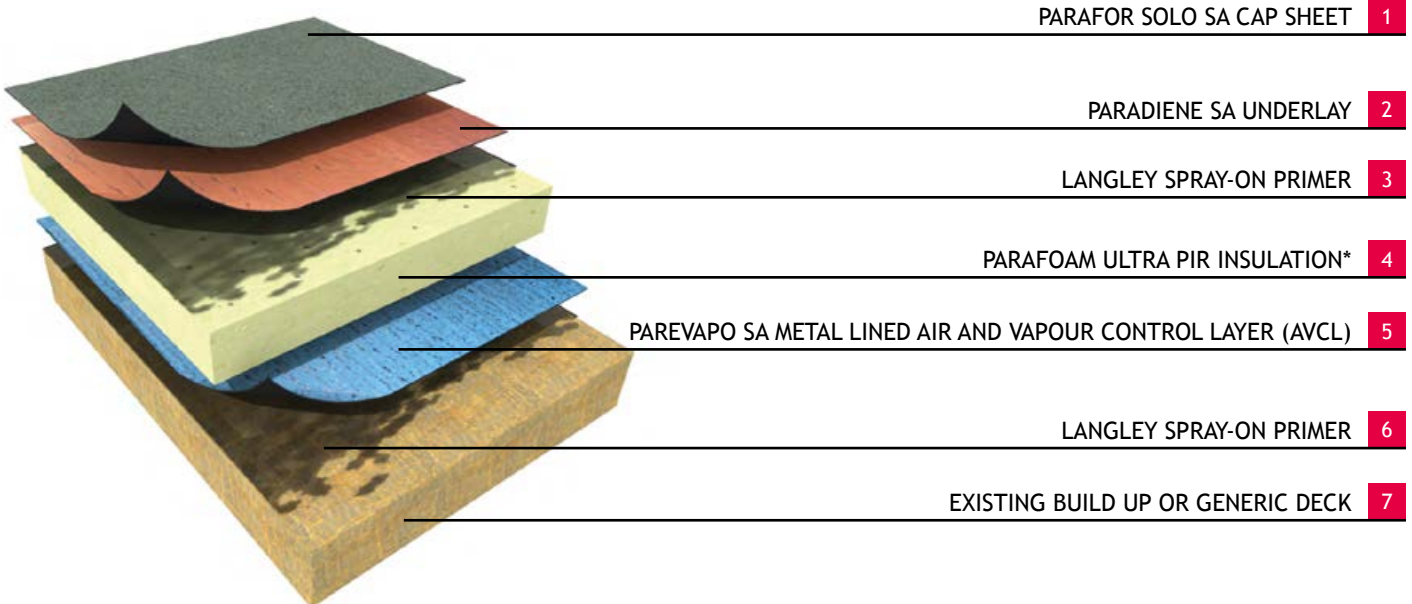
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Issue No: 1 - July 19

SA-20

A traditional material with a revolutionary method of installation. The SA-20 Flame Free System, part of the Langley Safe2Torch commitment, is a premium quality, heat activated self-adhesive high performance SBS elastomeric membrane for flat or sloping roofs which carries a 20 year independently insured guarantee covering design, materials, workmanship and consequential loss. No gas torches are required for any of the component layers which are installed entirely with self-adhesive technology or heat activated with a flameless heat gun.

When to Specify

Ideal for projects where a flame free application is required due to either site restrictions or combustible materials, all products in the SA-20 system are self-adhesive/hot air welded to mitigate fire risk during installation. All products seamlessly integrate with all of our torch applied systems outlined above and can be used on refurbishment or new-build applications across every deck type.



Example insulation depth shown above is typical.

* Additional insulation thicknesses are available or as a tapered (cut to falls) option.

SA-20 W System			
	Layer	Thickness	Weight
1	Parafor Solo SA	4.2mm (3.2mm at seldge)	5kg/m ²
2	Paradiene SA	2.4mm	3kg/m ²
3	Parafoam Ultra	30 - 250mm (10mm increments)	3.84kg/m ² (120mm)
4	Parevapo SA	1.5mm	1.6kg/m ²
Total System Weight:		(based on 120mm insulation thickness)	13.44kg/m ²

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Durability

- Extremely robust, yet flexible roof covering, 6.6mm thick, (4.2mm cap sheet, 2.4mm • underlay).
- Slip resisting granule surface provides ample durability and puncture resistance for maintenance foot traffic.
- Heavy duty polyester reinforcement to cap sheet provides a robust, watertight finish.



Resistance

- SA-20 membranes are covered by MOAT 31 (Reinforced Homogenous coverings of SBS Elastomeric Bitumen).
- Parafor Solo SA achieves a 'resistance to damage' rating of R4 (the highest level of acceptance) under MOAT 31.
- Fire Rating: Roof(t4) BS EN 13501-5:2016



Life Span

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



Certified and Proven

- Parafor, Paradiene and Paravapo membranes are covered by a BBA Agrément Certificate.
- Original SBS elastomeric bitumen membrane system.
- Meets NHBC Technical Standards Chapter 7.1 for roofs and balconies.



Guarantee

- The system carries a 20 year independently insured guarantee for materials, design, workmanship and consequential loss.
- Installed by our national network of Langley Approved Contractors and installers, ensuring only the highest quality of installation is maintained.
- User friendly, quick and easy to install.
- A full range of accessories/supporting products are included under a single comprehensive guarantee, which includes: rooflights, refurbishment outlets, vents, lead-free flashings, edge trims etc.
- All Langley elastomeric membranes have been developed in accordance with the European Union of Agrément (UEAtc) and are manufactured and tested in accordance with UEAtc MOAT special directives (Methods of Assessment and Testing).



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.