



WATERPROOFING

FLAGON TPO

SYNTHETIC WATERPROOFING

ROOFS

TPO SINGLE-PLY WATERPROOFING MEMBRANES





FLAGON TPO

SOPREMA offers a wide variety of TPO single-ply waterproofing membranes for exposed roofs and green roofing applications.

FLAGON TPO waterproofing membranes represent a new generation of synthetic waterproofing solutions based on innovative formulations. FLAGON development is based on over 50 years of extensive synthetic membrane manufacturing experience and industry-leading technologies.

BENEFITS

- Environment and user-friendly (100% recyclable)
- Exceptional dimensional stability
- High weather and UV resistance
- Compatible with oxidized bitumen
- Resistant to root growth
- Service life of more than 30 years



HIGH PERFORMANCE VERSATILITY

Modern architecture requires high-performance and sustainable solutions, providing durable results in terms of functionality, profitability, and attractiveness. To meet these requirements, SOPREMA has developed a unique range of TPO waterproofing membranes. These modern and reliable systems provide many benefits, including sustainability properties and ease of installation.

FLAGON TPO waterproofing systems are suitable for both new build and refurbishment projects. The range offers systems for fully adhered, ballasted, and mechanically fastened applications.

APPLICATION

FLAGON TPO membranes are heat welded and can be loose laid, fully adhered or mechanically fastened to the substrate. FLAGON TPO systems are the perfect solution for quick and easy installation on exposed roof systems, ballasted roof applications, and green roof installation.

EXPOSED

Fully reinforced, UV resistant synthetic membrane systems for waterproofing exposed flat and mono-pitched roofs.



BALLASTED

Fully reinforced, durable synthetic membranes for waterproofing ballasted roofs.

ROOF GARDEN

Fully reinforced, root resistant synthetic membranes for waterproofing under green roof systems.



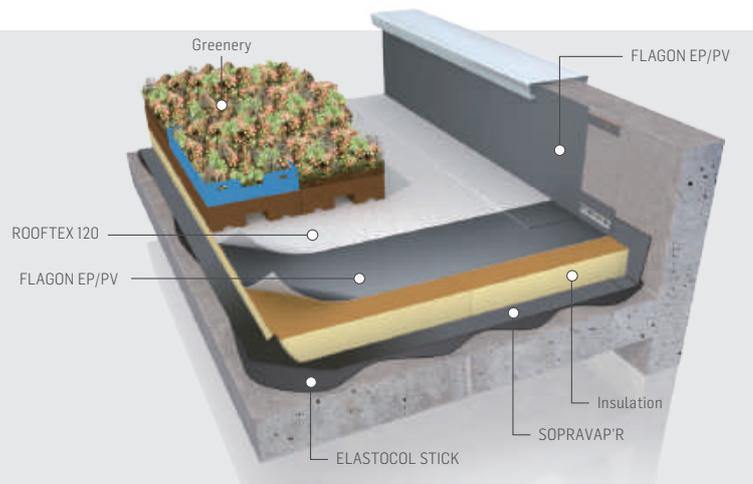
| Products per application | Waterproofing under protection | Waterproofing under plots and pavers | Waterproofing under extensive green roof systems | Mechanically fixed waterproofing | Fully adhered waterproofing | Waterproofing for details |
|---|--------------------------------|--------------------------------------|--|----------------------------------|-----------------------------|---------------------------|
| Flagon EP/PR TPO membrane with polyester mesh reinforcement | | | ● | ● | | |
| Flagon EP/PR-F TPO membrane with polyester mesh reinforcement and non-woven polyester fleece back | ● | ● | ● | | ● | |
| Flagon EP/PV TPO membrane with glass fibre reinforcement | ● | ● | ● | | | |
| Flagon EP/PV-F TPO membrane with glass fibre reinforcement and non-woven polyester fleece back | | | ● | ● | ● | |
| Flagon EP/S Non-reinforced TPO membrane | | | | | | ● |

BESPOKE ROOFING SYSTEMS

LOOSE LAID

Substrate concrete | 0 to 5% slope
Non-walkable under green roofing

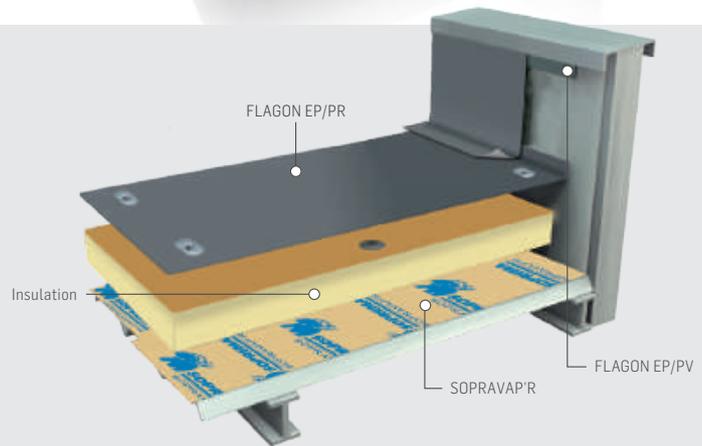
On the main surface, FLAGON EP/PV membranes are completely loose laid and must always be extended on the parapet where the membranes are fastened on metal bars. At the top of the upstands, FLAGON EP/PV membranes are heat welded on metal strips mechanically fastened onto the substrate.



MECHANICALLY FASTENED

Substrate steel deck | $\geq 3\%$ slope
Non-walkable

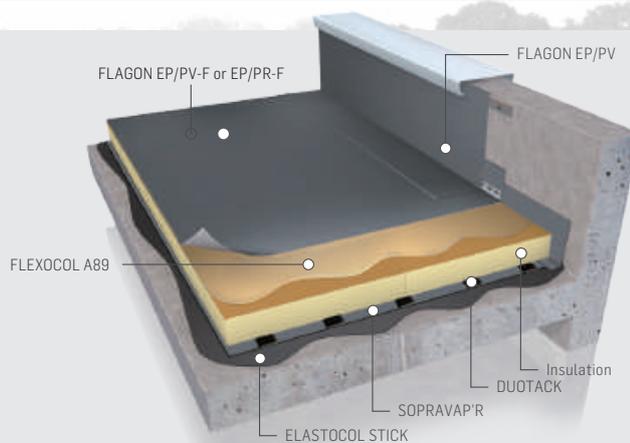
On the main surface, FLAGON EP/PR membranes are semi-loose laid by mechanical fastening, and always laid to run a few centimetres on the parapet. The membranes are fastened around the perimeter of the roof and around any protruding element with metal bars or adapted screws and plates. At the top of the upstands, FLAGON EP/PV membranes are heat welded on metal strips mechanically fastened onto the substrate.



FULLY ADHERED

Substrate concrete | 0 to 20% slope
Non-trafficable

On the main surface, FLAGON EP/PV-F membranes are adhered with glue and must always run a few centimetres on the parapet. The membranes are fastened around the perimeter of the roof and around any protruding element with metal bars. At the top of the upstands, FLAGON EP/PV membranes are heat welded on metal strips mechanically fastened onto the substrate.



A full range of FLAGON TPO accessories including outlets, leaf guards, internal and external corners is available.



CERTIFICATION

FLAGON TPO waterproofing is SGBC and BBA certified. FLAGON TPO is manufactured according to the principles of sustainable building, respecting the environment, human resources, and the economy!



ADVANCED TECHNOLOGY

Using thermoplastic polymer technology, FLAGON TPO membrane systems provide excellent waterproofing protection. These systems offer lightweight and sustainable waterproofing solutions, and were the first TPO systems on the market to achieve a certified BRE Green Guide A+ rating, making them particularly suited for green roofs and sustainability driven projects. FLAGON TPO membranes are manufactured in an ISO 9001-certified factory.

DESIGN

The TPO membranes in the FLAGON range can be ordered in Basalt Grey or Sand Grey colours to suit specific aesthetic design requirements. Standing seam profiles can also be incorporated into the system in order to provide the aesthetic finish of a traditional standing-seam metal roof.

STANDARD COLOURS AND FINISHES



Standard colour
SAND GREY



BASALT GREY



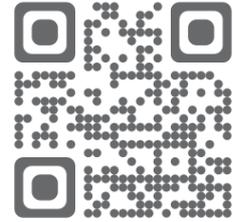
DECOR PROFILES

Standing seam profiles are available for Flagon TPO systems. They provide an alternative to traditional folded or standing seam metal covering. Decor profiles are hot air welded to the installed system.

GREEN ROOF SOLUTIONS

Green roofs are the perfect way to create sustainable building envelope solutions, promoting biodiversity and turning what would otherwise be wasted space into useful areas for people, wildlife, and plants.

The FLAGON TPO range offers an environmentally friendly solution for a wide scope of applications. FLAGON TPO waterproofing membranes are non-toxic and particularly suited to applications that require collection of water for reuse. FLAGON TPO membranes are root resistant and can be installed underneath green roof systems. The flexibility and eco-friendly properties of FLAGON TPO membranes have resulted in these systems being the first choice for sustainability-driven projects.



INNOVATION SINCE 1908

SOPREMA has developed around the idea that the quality, durability and reliability of materials must match builders' ambitions and expectations. For more than 100 years, SOPREMA has been using its expertise to develop a variety of high-end products that meet or exceed all the requirements of the construction field.



WATERPROOFING



INSULATION



SOUNDPROOFING



FLOORING



COMPLEMENTARY
SOLUTIONS

SOPREMA is an international manufacturer specializing in the production of waterproofing and insulation products, as well as vegetative and soundproofing solutions, for the building and civil engineering sectors.

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