

AlphaGuard Blueshield

INVERTED LIQUID APPLIED BLUE ROOF SYSTEM

AlphaGuard Blueshield is a two part, spray applied, blue pigmented polyurethane elastomer. Pigmented blue to highlight application, the membrane gels in seconds and provides a seamless, fully adhered barrier to ingress of water and other contaminants.

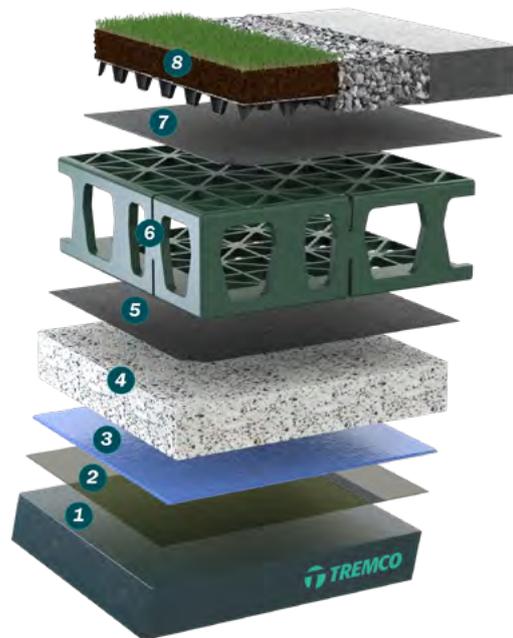
This highly efficient structural waterproofing system has a proven track record of over 40 years, and is the ideal foundation for waterproofing under complex external finishes. AlphaGuard Blueshield is suitable for applications under green roofs, blue roofs, brown roofs, ballasted roofs and other complex recreational podiums. Our blue roof variation, also known as a SuDS (Sustainable Drainage System) allows for the attenuation of water, subsequently reducing the risk of flooding within built up areas.

Suitability

For built environment sectors across public and private including housing, education, healthcare, government buildings and commercial.

System Features

- Rapid installation and cure
- Excellent crack bridging
- Suitable for use in areas permanently immersed in water
- Independently certified to Broof(t4) classification (BS EN 13501-5).
- Durability for the design life of the roof of which it is incorporated
- Project specific warranties available*
- Low odour
- Spray application ensures difficult detailing and penetrations are easily overcome
- Can be applied to 7 day old concrete



NUMBER	PRODUCT TITLE	WEIGHT
1	Prepared Substrate	N/A
2	AlphaGuard Blueshield Primer	50-75g/m ²
3	AlphaGuard Blueshield	2.7kg/m ² (minimum)
4	XPS/EPS Inverted Insulation	9.18kg/m ² **
5	WFRL (Water Flow Reducing Layer)	c63g/m ²
6	Blue Roof Attenuation Tray	6kg/m ² ***
7	Heavy duty filter fleece	150g/m ² ****
8	External finishes - green roof, ballast or paving systems	N/A



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System Compliance and Accreditations

ECO CREDENTIALS



UK manufacturer

Tremco CPG is an international construction product manufacturer, including factories in the UK.



Green roofs

AlphaGuard Blueshield is green roof and roof garden accredited.



Blue roofs

AlphaGuard Blueshield has been independently certified to work harmoniously with blue roof application.

RESILIENCE



Fire safety

Independently certified by the BBA to Broof(t4) classification (BS EN 13501-5) including XPS and EPS range and external finishes (ballasted, green and paver systems).



Fit for purpose

AlphaGuard systems comply with BS 6229:2018 and guidance outlined within NHBC technical requirements for flat roofs and balconies.



Independent certification

Independently certified durability for the design life of the roof in which it is incorporated by the BBA.



Zero falls

Independently certified by the BBA for zero-falls for roofs with falls between 0 and 1:80.

MAINTENANCE



Planned preventative maintenance

We offer a range of PPM packages.

THE TREMCO DIFFERENCE

Single Source Solution

We are not only a UK manufacturer, we pride ourselves on offering a single source solution for roofing.

Whether new build or refurbishment, we cover all aspects, including design, the install through StructureCare (specialist contractor) and then monitor the install throughout.

Once completed our aftercare team is here to help in the unlikely event that you have problems with your new roof. They will also be the point of contact for roof maintenance. We offer a range of PPM (planned preventative maintenance) programmes to support building life cycle costing, as part of an estate's asset management plan.

Inverted roof build up's, utilising Blueshield provide a system that protects the integrity of the waterproofing layer - reducing risk.

However, periodic inspection should take place in line with Tremco's owners manual.



For more information such as installation and product component data, view our Technical Data Sheets.

* Project specific warranties available.
 Note: BBA has certified the system durability for the design life of the roof of which it is incorporated.
 ** Assumed weight, however, dependent on building requirement.
 *** Based on 100mm thick attenuation tray - thickness dependent on attenuation requirements
 **** Depending on attenuation requirements