TristarFS
FIRE SAFETY

MAKING FIRE SAFETY SIMPLE, EASY AND AFFORDABLE

PVSTOP SOLAR PANEL BLOCK OUT

PVSTOP Water-Based Polymer agent is a revolutionary, tested and certified technology specifically designed to instantly blocking sunlight and safely shutting down solar panels during an emergency.

Solar panels generate electricity whenever exposed to light and cannot simply be 'switched off' in an emergency. This 'DC Danger Zone' creates persistent electrical hazards that exist regardless of isolator switches, rapid shutdown systems, or other electrical controls. PVSTOP addresses this fundamental problem by blocking light at source, immediately stopping power generation on contact. Even with partial coverage, it effectively breaks the electrical circuit and renders panels electrically safe.

The system allows first responders and maintenance teams to safely isolate panels in the event of a short circuit, storm damage, or at the first signs of smoke or arcing, long before a situation escalates out of control.

PVSTOP is the only solar safety solution to achieve ISO 14034:2016 Environmental Technology Verification, with independent testing confirming effectiveness. The technology has been operationally validated by major fire services worldwide, including London Fire Brigade (LFB), Fire Department New York (FDNY), and Singapore Civil Defence Force (SCDF).

PVSTOP is non-flammable, fire-retardant, weatherproof, and can be safely used on both wet and dry surfaces. Effective on all types of solar panels, the liquid coating solidifies and peels away easily without damaging solar panels. It can remain in place for up to 12 months. Water-based and non-toxic, it is safe to dispose of with general waste.



Benefits

- *British manufactured*
- *5-year service life*
- *3-year warranty*
- *Lightweight and recyclable*
- *Waterproof - Designed to withstand weather exposure for up to 12 months*
- *Quick drying*
- *Delivery range of up to 10m*
- *No damage to Solar Panels*

DESIGNED IN THE UK · MANUFACTURED IN THE UK ·

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Technical Specification

Model	Capacity (Litres)	Fire Rating	Full Weight (Kgs)	Temp Range	Operating Pressure (Bar) @ 20°C	Discharge Duration (Secs)	Discharge Range (M)	Diameter (mm)	Height (mm)
BFPVS6	6	N/A	8.5	N/A	12	45	10	178	570

Model	Capacity (Litres)	Fire Rating	Full Weight (Kgs)	Temp Range	Operating Pressure (Bar) @ 20°C	Discharge Duration (Secs)	Discharge Range (M)	Diameter (mm)	Height (mm)
BFPVS9	9	N/A	11.7	N/A	12	75	10	210	640

Specification

Operating Pressure @ 20°C	12bar
Test Pressure (PT)	22bar
Maximum Allowable Pressure (PS)	15.38bar
Minimum Burst Pressure	55bar
Cylinder Material	HDPE with Aramid fibre
Operating Head Material	Brass - C3771 - Nickel Plated