

# FIREBLOCK PV MEMBRANE

Bridgehill FireBlock Membrane is a fire-resistant underlayment engineered for installation beneath solar panels. Its purpose is to stop fires from spreading from the panels into the roof structure. In the event of a solar panel fire, the membrane acts as a barrier, blocking flames and radiant heat while safeguarding insulation, timber, and other combustible materials within the roof assembly.

## Certifications

EN 13501-5 classification B<sub>Roof</sub> (t2)  
based on CEN/TS 1187

## Upcoming Certifications

EN 13501 -1  
EN 13501 -5 B<sub>Roof</sub> (t4)  
EN 13501 -5 B<sub>Roof</sub> (t1)  
Type Approval from RISE Research Institutes of Sweden

## Key Benefits

- Blocks fire and heat from solar panels, wildfire & ember storm
- Suitable for both new and existing roofs
- Up to 5% higher solar yield with bifacial PV panels
- Installs like a standard roofing underlayment



## Quantity Calculation

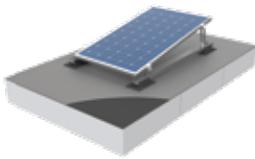
Roll dimensions & weight:	 34,5 m <sup>2</sup> 371,35	 1,15 m x 30 m 3,77 ft x 98.43 ft	 35 kg 77.16
Bulk quantities:	 Single rolls	 1 pallet 24 rolls	



## System Options

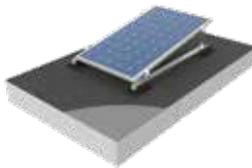
Refer to the full installation manual for detailed instructions.

### Low-slope Roof Systems



#### 1.1 For installation under the waterproofing membrane

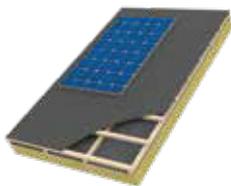
Build-up: Insulation → FireBlock → waterproofing membrane → solar panels



#### 2.1 For installation over the waterproofing membrane

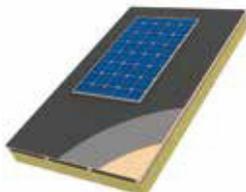
Waterproofing membrane → FireBlock → solar panels

### Pitched Roof Systems



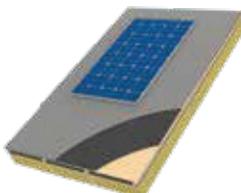
#### 3.1 For installation on battens

Build-up: Roof beams with insulation → underlayment (e.g. Tyvek) → battens and structural deck → FireBlock → solar panels.



#### 4.1 For installation on sheeted roof over bitumen

Build-up: Roof beams and insulation → underlayment (e.g. Tyvek) → battens/counter-battens → wooden deck → bitumen membrane → FireBlock → solar panels



#### 4.2 For installation on sheeted roof under bitumen

Build-up: Roof beams and insulation → Underlayment (e.g. Tyvek) → battens/counter-battens → wooden deck → FireBlock → bitumen membrane → solar panels

## Technical Sheet

<b>Primary Application</b>	Roof fire barrier membrane designed to prevent fire spread
<b>Size</b>	≤5% 1,15 × 30 m   ≤5% 98,43 × 3,77 ft
<b>Material Composition</b>	<ul style="list-style-type: none"> <li>• Coating: BridgeTech™ polymer coating</li> <li>• Fabric: Silica, Alumina, Calcium oxide and Boron oxide</li> </ul>
<b>Disposal Guidelines</b>	Check Local Regulations
<b>Service Temperature On Core Fabric</b>	Short term ± 1600 °C   2912 °F Long term ± 800 °C   1472 °F