



# FIRE RESISTANT EROSION CONTROL AND SLOPE STABILIZATION



The image shows two workers in safety gear (hard hats, high-visibility vests, and gloves) installing erosion control matting on a dirt slope. The matting is a green, textured material with a grid pattern, laid over a brown plastic liner. The background consists of a wooded area with tall, thin trees and some green foliage. A dark blue text box is overlaid on the right side of the image.

## Erosion control and slope stabilization for fire-prone areas

The negative impact of wildfires lingers long after the fires burn out. Wildfires destroy essential vegetation that maintains slope structure, intercepts stormwater runoff, and filters contaminants before they reach the groundwater table. **PROPEX® Pyramat®** featuring non-halogen fire retardant technology offers a resilient, nature-based, and cost-effective solution.

Solmax erosion control systems are engineered with a patented technology that is ignition resistant and self-extinguishing.





## Cost-effective and nature-based solutions with a significantly smaller carbon impact

**PROPEX** Pyramat 75 High Performance Turf Reinforcement Mat and **PROPEX** Pyramat 25 Turf Reinforcement Mat are erosion control solutions engineered to increase resilience of wildfire-prone areas through non-halogen fire retardant technology.

Non-halogenated flame retardants work by interfering with the chemistry of the flame, producing less heat and suppressing smoke.

Additionally, they don't pose the same health and environmental concerns as halogenated retardants.

**This fire-resistant technology is standard on all PROPEX systems including PROPEX Armormax®, PROPEX Scourlok®, PROPEX Pyrawall® and PROPEX Pyramattress®.**

# Performance features

- Ignition resistant
- Self-extinguishing\*
- No flame spread\*
- Zero burn rate
- Superior slope protection
- Quick installation to rapidly mitigate post fire flash flooding
- Encapsulated flame resistant additives will not inhibit vegetation
- Superior UV resistance for up to 75 year design life
- Nature-based solution
- Verified low carbon footprint
- Resistant to both hydraulic and non-hydraulic stresses
- Recognized by the Environmental Protection Agency (EPA) as a Best Management Practice (BMP) to improve water quality

## Applications

- Areas prone to wildfires
- High-risk fire zones
- Highways
- Railbeds
- Landfills
- Defensible spaces
- Burn scar remediation

\* ASTM D2859 and FMVSS 302



## About Solmax

Solmax is a world leader in sustainable construction solutions, for civil and environmental infrastructure. Its pioneering products separate, contain, filter, drain and reinforce essential applications in a more sustainable way – making the world a better place. The company was founded in 1981, and has grown through the acquisition of GSE, TenCate Geosynthetics and Propex. It is now the largest geosynthetics company in the world, empowered by more than 2,000 talented people. Solmax is headquartered in the province of Quebec, Canada, with subsidiaries and operations across the globe.

## Uncompromised quality

Our products are manufactured to strict international quality standards. All our products are tested and verified at our dedicated and comprehensive laboratories which maintain numerous accreditations. We offer our partners a wide scope of testing according to published standards to ensure products delivered to sites meet specified quality requirements.

# Let's build infrastructure better

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