

Pyramat® Fire Mitigation

Erosion Control and Slope Stabilisation for Fire-Prone Areas

Non-halogen fire retardant technology



Product Information

PYRAMAT® 75 High Performance Turf Reinforcement Mat and PYRAMAT® 25 Turf Reinforcement Mat are erosion control solutions engineered to mitigate the risk and 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.

Applications

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

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Benefits

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

Environmental Benefits

Propex engineered earth armoring solutions have been protecting and stabilising channels, slopes, levees, and stream banks for more than 20 years. These are cost-effective and nature-based solutions with a significantly smaller carbon impact than traditional solutions.

Features

- Ignition resistant
- Self-extinguishing (ASTM D2859 & FMVSS 302)
- No flame spread
- Zero burn rate
- Superior slope protection
- Quick installation to rapidly mitigate post flash flooding
- Encapsulated flame resistant additives will not inhibit vegetation
- Superior UV resistant for up to 75 year design life
- Nature-based solution
- Verified low carbon footprint
- Resistant to both hydraulic and non-hydraulic stresses
- Recognised by the Environmental Protection Agency (EPA) as a Best Management Practice (BMP) to improve water quality



About Us

Leaders in Geosynthetics

Global Synthetics is a 100% Australian-owned company, proud to offer a complete range of high-quality geosynthetic products backed by over 200 years of combined staff experience in the industry.

We have supplied products to some of the largest recent infrastructure works in Australia. Global Synthetics provides major benefits to any geotechnical engineering project with the right products and our technical expertise.

Global Synthetics products are used in the following applications:

- Pavement Stabilisation
- Ground Improvement
- Soil Reinforcement and Retaining Structures
- Water Management
- Drainage Systems & Hydraulic Works
- Landfills
- Coastal Erosion Structures

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