

HEXION ARMORBUILT™ WILDFIRE SHIELD

Guard the Grid

Ensure grid stability in the face of wildfires with the Hexion ArmorBuilt Wildfire Shield — a durable, burn-prevention safeguard for wood utility poles.

Durable, Affordable and Sustainable

Heat-triggered ArmorBuilt covering instantly creates a protective heat insulation, helping you extend the lifespan of wood utility poles, reduce repair costs and protect more people.



In 2020, 17,700 structures¹ were lost to wildfires, costing up to \$13B² in damages.



The cost to repair damage from a fire can be as high as \$40,000 per pole.³



HEXION™

ArmorBuilt™ Wildfire Shield

Heat-Triggered Protection

ArmorBuilt covering activates within 20 seconds of contact with wildfire.

- Withstands flames with temperatures to 2,100°F for 30 minutes⁴

A Durable Barrier

ArmorBuilt Wildfire Shield can withstand weather and pole inspection without compromising its protective performance.

- Self-heals and seals cuts and test bore holes during a fire
- UV resistance confirmed by ASTM G154, UV apparatus with water spray and ASTM G90, Concentrated Natural Sunlight Accelerated Weathering⁵

Designed for Line Workers

Safe and easy to apply, ArmorBuilt wrap does not require special handling.

- Can be climbed and cut without compromise
- Holds up to 500 pounds on a single gaff⁶

Sustainable Security

ArmorBuilt Wildfire Shield promotes a long-lasting and sustainably sourced power infrastructure.

- Does not release harmful VOCs or chemicals
- Poles can be re-secured with new material post-fire to ensure future fire protection

Puts People First

ArmorBuilt Wrap improves grid resiliency and helps prevent loss of life by keeping protected poles upright.

- Delivers precious life-saving time by keeping critical passages open to first responders and evacuees that may otherwise become blocked by downed poles

A Cost-Effective Safeguard

ArmorBuilt Wildfire Shield helps reduce pole replacement and associated transmission infrastructure repair costs.

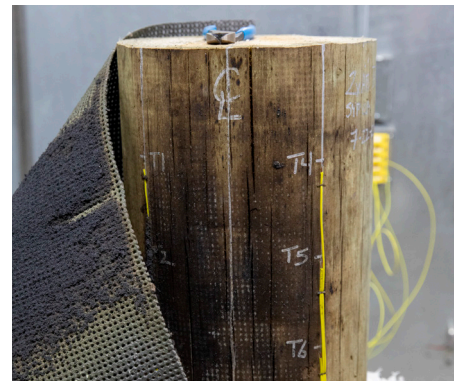
- Helps prevent millions in damages
- Sustainable U.S. supply and scalability
- Produced on an ISO 9001:2015-certified site



Test picture



Pole without ArmorBuilt protection



Pole protected by ArmorBuilt Wildfire Shield

2021 ENERGY STAR® Partner of the Year

For Comprehensive Energy
Management Program

Start Building Your Wildfire Defense

Put the power of ArmorBuilt protection to work for you.
Contact an ArmorBuilt representative today at [Hexion.com](https://hexion.com).

¹National Interagency Fire Center's Incident Year-to-Date Report as of November 9, 2020.

²The costs of insured losses from fires through November 2020 in California, Oregon, Washington and Colorado as reported by Risk Management Solutions (RMS).

³Exacter and Cigre 2019 Pole Fire Survey and Research report.

⁴Third-party-certified Wildfire Simulation Testing (SWI/EDM) of wood poles secured with one and two layers of protective wrap revealed no char or strength loss when engulfed in 12-foot swirling, open flame at temperatures of 2,100°F for a duration of 3 minutes. Determination of charring depth of wood utility poles exposed to simulated wildland fires, conducted by Western Fire Center found no degradation of the pole surface after a 10 minute radiant panel and flame exposure.

⁵Over 2.5 years of continuous exposure, equivalent to over 30 years of exterior exposure using ASTM G154, operating UV Lamp apparatus for exposure of non-metallic materials cycle 7 with water spray and 10-year equivalent collaborative testing in Arizona to ASTM G90 Accelerated Outdoor weather of Materials using concentrated Natural Sunlight, Cycle 3 with nightly water-spray finds no loss in fire protection performance.

⁶PG&E climbing tests revealed that ArmorBuilt protective wrap can hold over 500 pounds when double-wrapped around wood utility poles.

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