

POLESAVER[®]

**Reliable Networks are Built
on Solid Foundations**







Contents

Polesaver Partners	4-5
Rot-Guard™	6-11
Blaze-Guard™	12-13
Top-Guard™	14
Training & Support	15

POLESAVER® PARTNERS

"Using Polesaver Rot-Guards align extremely well with Umeme's core values of Safety, Customer Service and Innovation. We are always looking for better ways to do things, and by adopting Polesaver Rot-Guards, this clearly shows that Umeme are embracing new technology. Wooden utility poles with Rot-Guards applied, will be safer and the electrical networks they support will be more reliable, thus leading to better customer service and reduced costs."

Umeme - Uganda's main electricity distribution company.





Decades of Innovation Protecting Global Assets

Over 30 years ago Polesaver developed the first ground-line barrier sleeve. Today, we're proud to be the world's leading manufacturer of these products, dedicated to protecting utility poles and trusted by customers in over 30 countries.

With millions of Polesaver Rot-Guard ground-line barrier sleeves now in use, we continue to help companies maximise the lifespan of their wooden poles, lowering costs and reducing environmental impact.

Our products protect poles against decay, fire, and termite damage, and improve grid safety and reliability while cutting maintenance expenses. We're committed to delivering real value, helping companies around the world to protect their infrastructure and operate more efficiently.

At Polesaver, we hold ourselves to the highest standards of quality, service, and support. Backed by ISO 9001 certification, with U.S. International Building Code® (IBC) approval, and a philosophy of continual reinvestment, we ensure our customers can always count on us to provide dependable solutions for their critical assets.



ROT-GUARD™

Decay Prevention

90% of wooden utility pole failures are due to ground-line rot. Polesaver Rot-Guards protect the ground line.

- ✓ Maintains Pole Strength
- ✓ Prevents Decay
- ✓ Protects the Pole at its Most Vulnerable Point
- ✓ Locks in Preservatives and Reduces Loss to Ground by up to 97.5%
- ✓ Suitable for Use in all Ground Conditions
- ✓ Independently Tested & Proven
- ✓ Easy Application in Any Location



Dual-Layer Technology

Polesaver Rot-Guards use a unique dual-layer design to protect poles where it matters most. A tough thermoplastic outer and a heat-activated inner liner work together to form a durable airtight and waterproof seal around the pole.

The result? Ground-line decay is stopped in its tracks, adding decades of strength and reliability to your poles.

ROT-GUARD™

Maximising The Life-Cycle of Your Critical Assets

Build Grid Resilience

Polesaver Rot-Guards significantly extend the lifespan of wooden poles by maintaining their structural integrity, reducing the likelihood of collapse or failure under extreme weather conditions or other stresses. This results in reduced inspection cycles, extended replacement schedules, increased safety, and cost savings.

Example Cost Benefit Analysis

Polesaver Rot-Guards add 20 years to the life of a pole from the start, maintaining strength, maximising service life and reducing costs. The following table provides an example cost saving, bespoke cost benefit analysis calculations are available on request.

Pole Protection Method	Expected Service Life	Number Poles Installed	Pole Replacement Cost	Total Pole Replacement Cost
Preservative Treated	20	10,000	\$1,000	\$10,000,000
Preservative Treated + Rot Guard	40	5,000	\$1,000	\$5,000,000



+20 Years from the Start

Polesaver Rot-Guards add 20 years to the life of the pole and ensures no loss of strength for 40 years from the point of installation, no matter what wood species or type of preservative used.

Substantial Cost Savings

Rot-Guards are competitively priced and offer substantial cost savings through maximising the life of the pole, reducing the requirement for inspections, pole remediation and replacement.

Improves Safety

Poles protected with Rot-Guards maintain strength, this ensures poles are safer for inspection teams and for the general public.

Supports CSR Goals

Rot-Guards are non-toxic and environmentally friendly, and offer the lowest carbon footprint of any pole protection option. They lock in vital preservatives and reduce loss to ground by up to 97.5%.

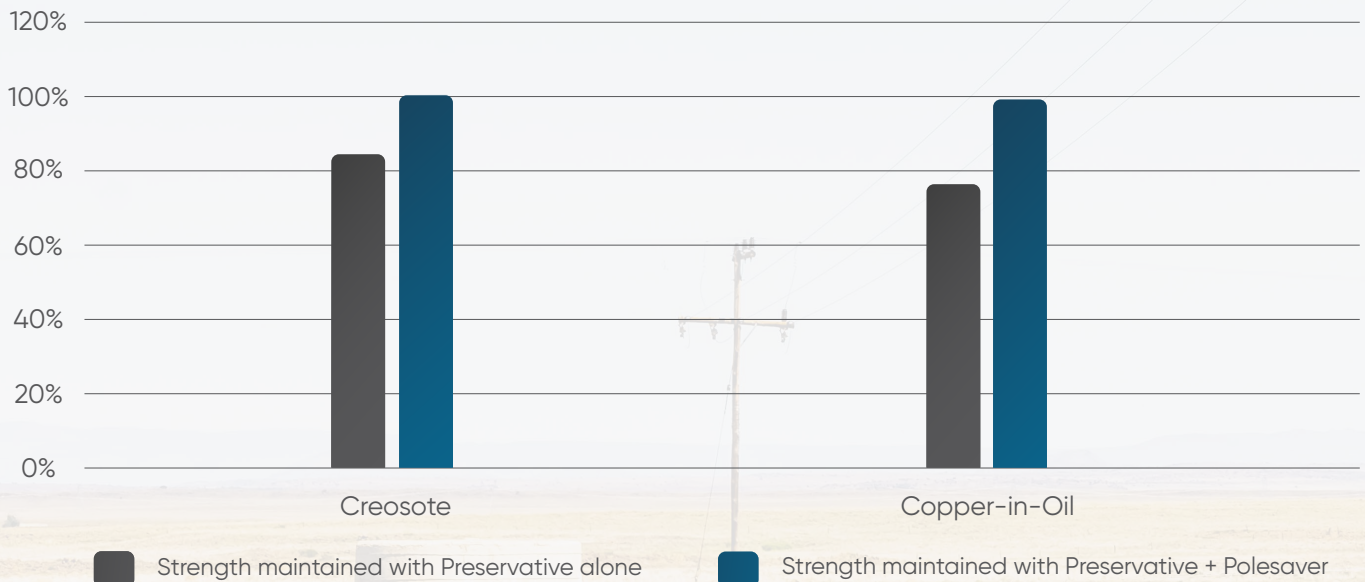
ROT-GUARD™

Loss of strength caused by ground-line decay is the number one cause of premature pole failure. An independent Energy Networks Association (ENA) accelerated decay test report proved that preservative-treated wooden samples fitted with Polesaver Rot-Guards showed no loss of strength for 40 years.

- ✓ Environmentally friendly, biocide free
- ✓ Adds 20 years to the life of a wooden pole
- ✓ Maintains pole strength over 40 years

Pole Strength After 40 Years

Based on data from a 48 month accelerated testing equivalent to 40 years



Independently Tested & Proven

Polesaver Rot-Guards have been subjected to extensive independent testing and meet or exceed the following international standards:

Manufactured to **BS EN ISO 9001:2015**

AWPA, E1-97, American Wood Protection Association: 2005. 'Standard method for laboratory evaluation to determine resistance to subterranean termites'. Resistant to termite attack.

Meets the Requirements of the American Wood Protection Association (AWPA) P20-18 BP1 Barrier Products.

European Standard EN252 1989, 'Field test method for determining the relative protective effectiveness of a wood preservative in ground contact.' (20 years test – zero decay on dip treated test stakes).

ENV807 Wood Preservatives, 'Determination of the effectiveness against soft rotting micro-fungi and other soil inhabiting micro-organisms.' (No decay on sleeved samples and heavily suppressed moisture uptake).

S.A.N.S 1634:2021 South Africa National Standards Board barrier protection systems for preservative treated wooden poles.

Code-approved for use under the U.S. International Building Code® (IBC)
Structural – AWPA use Class 4B applications

All test reports are available on request.



BLAZE-GUARD™

Fire Protection

Polesaver's Blaze-Guard has been rigorously tested and is proven to be effective in protecting utility poles from bush, crop, grass and wildfires. Blaze-Guard utilises a high performance fire-resistant and wind-proof fabric supplied on 1.2-metre-wide rolls, which can be overlapped vertically on the pole to cover any required height. Application is easy, simply wrap and staple the fabric into place.

- ✓ UV-stable for long-term outdoor performance
- ✓ Simple application for poles of any size
- ✓ Withstands multiple low intensity fires
- ✓ Cost-effective protection solution
- ✓ Lightweight fabric
- ✓ Protected poles maintain working residual strength after fire



BLAZE-GUARD™

Test Results

In simulated forest fire test conditions, the Blaze-Guard protected pole retained 90% of its residual strength value.

Pole Sample Tested	Residual Strength Value	
	At 13 Minutes	At 60 Minutes
Copper Salt Treated	65%	0%
Copper Salt Treated + Blaze-Guard	90%	90%

Test details

- Residual strength value calculated for 300mm (12") diameter copper salt treated pole
- Maximum burn temperature of 1100°C (2000°F) sustained for 2 minutes
- Peak power input = 9000kW/M² (800 BTU/Ft²)

Test report available on request



TOP-GUARD™

Pole Top Protection

Top-Guard is a premium pole top protection system engineered to extend pole service life by sealing and protecting an exposed and failure-prone area of the pole. Designed with linemen in mind, Top-Guard delivers maximum protection with minimal installation time, making it an easy, cost-effective addition to routine pole inspection and maintenance programs.

Lightweight, durable, and fast to apply using a simple stick-and-staple method, Top-Guard integrates seamlessly into existing utility workflows while delivering long-term performance in demanding environments.

- ✓ Easy-peel tabs for quick backing removal, even when wearing gloves
- ✓ High-performance, long-lasting self-adhesive backing
- ✓ Instant bond with excellent adhesion
- ✓ Formable to create a permanent fit to the pole top shape
- ✓ Suitable for use on slope-cut poles



Training & Support

We provide tailored training solutions for teams of any size, combining hands-on practice, online learning, and on-demand resources:



On-Site Training:

Our experts can visit your crews on the ground to ensure safe and efficient use of Polesaver solutions.



Video Demonstrations:

Step-by-step videos enable crews to refresh skills anytime, anywhere.



Online Learning:

For teams spread across multiple sites, our interactive online training option offers flexibility.



Direct Access:

From operational queries to quick checks, reach us by phone or email, no chatbots, just real support.



Global Network:

With partners worldwide, support is there when you need it.



Resources at Your Fingertips:

Manuals, FAQs, and videos keep your team operating smoothly.

Disclaimer

Polesaver uses long term independent test data on the effectiveness of barrier sleeves and fire protection fabric to reach all the conclusions given in this brochure (test data available on request). Based on this data, Polesaver believes longer life, maintenance of strength over time, improved safety and reliability, extended inspection periods and reduced maintenance requirements are reasonable claims. This is subject to Polesaver products being correctly applied as per our instructions and used on correctly preservative treated wooden utility poles (for long term in-ground use, use class 4 or higher) that are free of decay at the time of sleeve application. The claims made, real or implied are not warranties. It is the responsibility of the user to evaluate and satisfy themselves that the performance of the product meets their specific safety, reliability, extended inspection, repair and any other performance or cost-benefit criteria before using Polesaver sleeves or fire protection fabric.