



OGREKOTE

PROTECTIVE COATING SOLUTIONS

TOUGH PROTECTION FOR THE INFRASTRUCTURE THAT POWERS COMMUNITIES.

OG-42

PIPELINE PROTECTION

FR-60

UTILITY POLE PROTECTION



EXECUTIVE SUMMARY

BUILT TO PROTECT. MADE FOR THE FIELD.

OGREKOTE was created to solve a costly problem in the field: protective wraps and rockshield that tear, wrinkle, and fail at the seams. Developed in 2025 with input from leading North American oil & gas experts, the OG-42 spray-applied coating delivers seamless, monolithic pipeline protection. In 2026, the OGREKOTE brand expanded with FR-60 for utility pole protection.

Every OGREKOTE product is manufactured in a state-of-the-art facility certified to IATF 16949, the quality standard required by major automakers, and every batch is certified before it ships. Inventory is stocked in both the United States and Canada.

302,000 sq ft

MANUFACTURING FACILITY

300,000 lbs

CERTIFIED ANNUAL CAPACITY

US & Canada

INVENTORY LOCATIONS

CERTIFICATIONS

IATF 16949

Automotive Quality Management

ISO 14001

Environmental Management

ISO 45001

Occupational Health & Safety

ISO/IEC 17025

Testing & Calibration Laboratories

OUR PRODUCTS

**OG-42**

PIPELINE PROTECTION › P.3

**FR-60**

UTILITY POLE PROTECTION › P.5



PIPELINE PROTECTION

OG-42

SPRAYABLE PIPE PROTECTION BUILT FOR LOWERING-IN & BACKFILL

12-48"

PIPE DIAMETER RANGE

0

SEAM WEAK POINTS

100%

MONOLITHIC COVERAGE

A spray-applied industrial coating engineered to protect buried oil & gas pipelines from handling damage, roller cradle abuse, trench contact, and rocky backfill — without the seams, wrinkles, or tear risks of traditional wrap systems.



THE PROBLEM

TRADITIONAL WRAP SYSTEMS

- Hand-wrapped, overlapped, and fastened in the field
- Seam weak points at every overlap
- Wrinkles and bunches in roller cradles
- Fabric or mesh can tear under backfill impact
- Multiple SKUs, roll widths, and fasteners to manage



THE OG-42 ADVANTAGE

MONOLITHIC SHELL

- Spray-applied directly to pipe in a single pass
- Zero seams, zero overlaps, zero weak points
- Stays in contact under roller load — no wrinkling
- High-elasticity coating absorbs impact without tearing
- One product covers 12"-48" pipe

OG-42 | HOW IT WORKS

BUILT FOR THE CONSTRUCTION WORKFLOW

No wrapping. No overlap management. No seam weak points.



01 PIPE PREPARED

Base anti-corrosion coating applied, cured, and confirmed clean.



02 SPRAY-APPLIED

Sprayed to target thickness in a single pass, forming a seamless shell.



03 RAPID RETURN TO HANDLING

Fast cure returns pipe quickly to handling and lowering-in.



04 PROTECTED THROUGH BURIAL

Absorbs roller contact, trench impact, and rocky backfill.

COMPATIBILITY & APPLICATION

ATTRIBUTE	SPECIFICATION
Environmental Resistance	Buried Service Rated
Shop vs. Field Application	Both — Coating Yard & Field
Inspection Method	Holiday Detection & DFT
Repair Procedure	Field-Repairable
Application Equipment	Plural Component Spray Unit



UTILITY POLE PROTECTION

FR-60

WILDFIRE PROTECTION FOR UTILITY POLES

A spray-applied fire-resistant coating engineered to help protect wood utility poles during wildfire events. No wraps. No sleeves. No mechanical barriers — just a durable, bonded coating designed to reduce charring and help preserve pole integrity.

**150 mil**

PROTECTIVE BARRIER

0

SEAMS OR WRAPS

0.06-0.08"

OBSERVED CHAR DEPTH

**THE CHALLENGE****WRAPS & SLEEVES**

- Add material cost and field installation time
- Can fail at seams, edges, and fastening points
- No continuous bonded barrier around the full pole
- Post-fire replacement is costly and delays restoration
- Limited weathering resistance before any fire event

**FR-60 APPROACH****BONDED FIRE BARRIER**

- Spray-applied directly — no wraps, sleeves, or assembly
- Seamless barrier around the full pole circumference
- Engineered to help limit charring and preserve wood
- Weathering-tested before fire testing
- Field applied for rehabilitation and new installs



TESTING REPORTED NO SIGNIFICANT DETERIORATION OF THE UNDERLYING WOOD STRUCTURE.



FR-60 | HOW IT WORKS

DEFENDING POLES AGAINST WILDFIRE

Fits directly into maintenance and new installation programs — no specialized equipment or mechanical barriers.

— THE WILDFIRE THREAT



RADIANT HEAT

Degrades wood structure before any direct flame contact.



DIRECT FLAME IMPINGEMENT

Rapidly chars and weakens wood fibers, often forcing replacement.



WIND-DRIVEN FIRE

Accelerates flame spread, raises heat flux, and prolongs exposure.



LONG-TERM UV EXPOSURE

Weathers pole surfaces and reduces moisture resistance.



MOISTURE CYCLING

Causes checking and cracks that open paths for deeper fire penetration.

— APPLICATION WORKFLOW

01

SURFACE PREPARED

Pole inspected; loose or weathered material addressed.

02

SPRAY-APPLIED

Sprayed to specified thickness around the full circumference.

03

CURES IN PLACE

Bonds to the pole and cures to a monolithic layer.

04

PROTECTED

Shields wood from heat, flame, and wind-driven fire.

TECHNICAL SNAPSHOT

150 mil

TYPICAL INSTALLED THICKNESS

0.06-0.08"

OBSERVED CHAR DEPTH

No Significant

WOOD DETERIORATION
REPORTED

- Plural component spray
- Tested: combined radiant heat, direct flame & wind
- Accelerated weathering pre-conditioning
- Field & shop applied

INDEPENDENT VALIDATION | FR-60

THIRD-PARTY FIRE TESTING

WFCi Report #21021r2.2 • Weathering and Fire Testing of Wood Utility Poles • Tested November 19, 2021

OgreKote commissioned independent fire testing laboratory WFCi to evaluate how FR-60-coated wood utility poles perform under simulated wildland fire conditions — measuring char depth and wood degradation after combined radiant heat, direct flame, and wind exposure. To reflect real-world service, every pole was weathered before it was burned.



Coated poles after weathering



Radiant heat + ring burner flames



Coating scraped to measure char

— THE TEST SEQUENCE



WEATHERING

84 DAYS

ASTM D2898, Method C: repeated wetting and drying cycles at 150°F with added UV exposure, followed by ~3 months of reconditioning.



FIRE EXPOSURE

10 MINUTES

50 kW/m² radiant heat (the apparatus maximum) for 10 minutes, with a 40 kW ring burner adding direct flame for the final 5 minutes.



WIND

UNTIL COOL

Continuous 2.0 m/s wind until the pole cooled below 50°C — the test ended at 32 minutes with no smoke from either pole.

SAMPLES Four CCA-treated wood poles (~9 ft tall, 10–12" diameter) coated with 150 mil of OgreKote FR-60. All four were weathered; two were fire tested. Testing followed the principles of a proposed ASTM standard for charring depth of wood utility poles exposed to simulated wildland fires.

TEST RESULTS | FR-60

MINIMAL CHARRING. WOOD PRESERVED.

Key findings from WFCi Report #21021r2.2

0.06-0.08"

Average char depth across both poles

< 15 sec

Flames out after burner shut-off

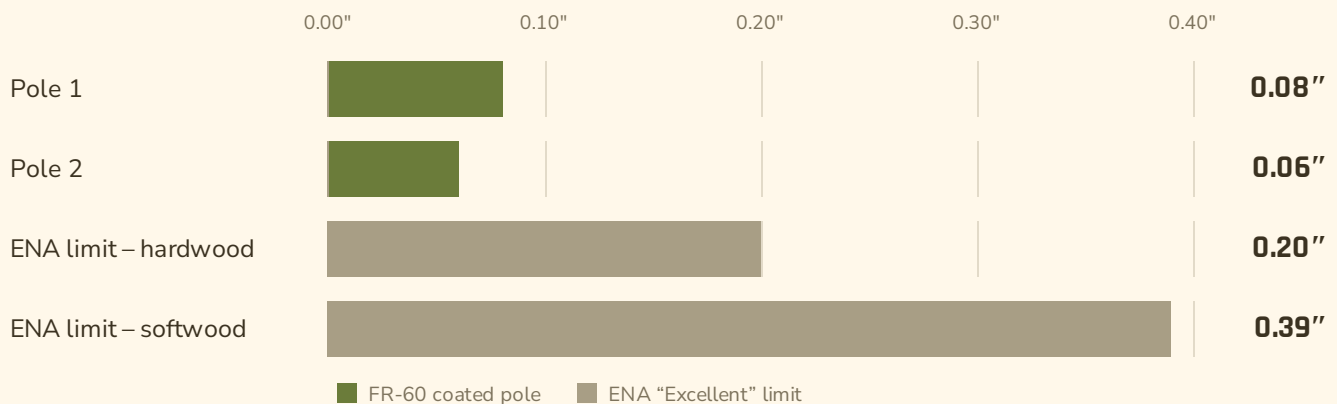
Excellent

Within the ENA "Excellent" char-depth criterion

2 of 2

Poles with no significant wood deterioration

AVERAGE CHAR DEPTH VS. ENA "EXCELLENT" LIMITS



POLE	WEATHERING	TEST LENGTH	UNI-DIRECTIONAL	CONCENTRIC	AVERAGE CHAR
Pole 1	ASTM D2898, Method C	32:00	0.13"	0.03"	0.08"
Pole 2	ASTM D2898, Method C	32:00	0.10"	0.02"	0.06"

THE LAB'S CONCLUSION



"The fire tests exposed the poles to radiative heat, convective flames, and continuous wind, and all had minimal charring of the wood material."

ENA "Excellent" = surface charring under 5 mm (0.20") for hardwoods and 10 mm (0.39") for softwoods.

CONTACT US

LET'S PROTECT YOUR INFRASTRUCTURE.

Reach out to discuss your project, request a quote, or learn more about OG-42 and FR-60.



CALGARY SALES OFFICE

611, 888 – 4 Avenue SW
Calgary, Alberta T2P 0V2



DISTRIBUTION / FIELD OFFICE

8545 Willow Cale Rd.
Prince George, B.C. V2N 6Z9



EMAIL

sales@ogrekote.com



WEB

ogrekote.com



OGREKOTE