



**FOR IMMEDIATE RELEASE**  
**July 2, 2009**

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### **Wildfire Structure Wrap Passes Radiant Heat Test**

San Diego, CA – Firezat<sup>®</sup> Inc. Manufacturer of the professional aluminized structure wrap used by the US Forest Service, Incident Management Teams, and BLM to protect high value structures from wildfires has received test data back from fire testing labs.

Tests were started by establishing a radiant heat level that would simulate a wildfire and ignite most combustible structures within 30 to 60 seconds. A temperature of 1157° F (625°C) was determined to model fire conditions when test samples of unprotected kiln dried Cedar with 8 to 10% moisture content burst into flames repeatedly on average in 34 seconds. Tests showed wood samples wrapped with Firezat Fire Shield Wrap and exposed to 1157°F of radiant heat for 10 minutes allowed the temperature under the wrap to rise to approximately 212°F. Extrapolating the test data showed that after 20 minutes exposure - temperature under the wrap would only rise to approximately 248°F, still well below the auto ignition temp assumed to be approximately 575° to 600°F and long enough for most fires to pass through. This temperature simulates a 16 foot tall flame burning just 19 feet away from the structure or a 32 foot high flame 65 feet away.

According to company President Dan Hirning, “This demonstrates that while protecting a home or structure from firebrands and limited direct flame impingement, the reflecting properties of the Aluminum, which reflect 95% of the radiant heat, can shield windows, sliding glass doors, and vents from substantial radiant heat and keep flames from starting on the inside of the structure.”

Aluminized Structure Wrap has been used by the US Forest Service and BLM to protect high value structures such as historical buildings, cabins, and homes for years. Fire Shields are an excellent choice when water or crews are in short supply or it would be too dangerous for a fire crew to stay and do structure protection.

Fire Shields protect the structures burning embers that can blow over a ½ mile or more which studies show start over 80% of structures fires. Fire Shields can be quickly deployed at the first sign of fire threat and left up for days or weeks until the threat is gone. They can then be taken down, rolled, and stored for future uses. Using Firezat fire shields allows homeowners to wrap their homes at the first sign of serious danger and evacuate when authorities make the call. “Knowing their home is wrapped in fire resistance

aluminum can give them an extra piece of mind during the extended firestorms evacuations we are seeing more and more of,” said Hirning, company president.

For more information on Aluminized Structure Wrap and test data pictures visit the company website at [www.firezat.com](http://www.firezat.com).

### **Firezat Fire Shield Wrap**

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