

# Residential Application of LP® TechShield® Radiant Barrier Sheathing

Davidon Homes

**DAVIDON HOMES**

## LP® TechShield® Radiant Barrier Sheathing Helps Davidon Homes Reduce Attic Temperatures and HVAC Tonnage, Cutting Costs

### SUMMARY

Davidon Homes has been fulfilling the dreams and creating pride of ownership for thousands of homebuyers throughout California and Nevada for over 25 years, according to Director of Project Development Randy Hensley. Through ongoing innovation and improvement, Hensley said Davidon continues the tradition of providing homes of enduring luxury and lasting value.

### IMPLEMENTATION

“We started using TechShield when it first came out on the market,” Hensley said. “I had one home in the framing stage with the product installed when I brought my executive officers out to see firsthand how the product performed. It was probably well over 80 degrees that day, and one of the first things they commented on was how cool it felt in the house—and that was just in the framing stages! Since then, we’ve put the product on every one of our homes.”

LP® TechShield® Radiant Barrier Sheathing helps block up to 97 percent of the radiant heat in the roof panels from entering the attic, lowering attic temperatures by as much as 30° F.

*“Thanks to TechShield, we’ve been able to cost-effectively maximize the HVAC efficiency ratings in our homes, providing a significant savings on the overall cost to build the home while helping our homeowners reduce their energy consumption.”*

*Randy Hensley, Director of Project Development  
Davidon Homes*

### In Brief

#### LOCATION

California

#### PROJECT SUMMARY

Headquartered in California, Davidon Homes has been building luxury move-up homes for more than 25 years. According to Director of Project Development Randy Hensley, Davidon is in tune with the needs and expectations of today’s homebuyers. Experience, innovative design, superb craftsmanship, and attention to detail define the custom quality found in each of their new home communities, Hensley said. Nearly eight years ago, Davidon decided to take this reputation to the next level. Davidon sought a roof sheathing product that would provide its homeowners with added value and help the company continue to meet California’s ever-evolving building codes.

#### WEBSITE

[www.HomesByDavidon.com](http://www.HomesByDavidon.com)

#### PROJECT OBJECTIVES

- Find a roof sheathing product that would provide added value to both the company and its customers
- Select a product that could help the company continue to meet California’s building codes

#### SOLUTION

Davidon turned to LP® TechShield® Radiant Barrier Sheathing, a product that helped the company to meet strict California building codes and incorporate energy savings into even their largest home designs by reducing the required tonnage on the HVAC equipment. Now Davidon uses the product as a standard feature on all of their new homes.



“With TechShield, I’ve been able to minimize some of the HVAC requirements on our homes,” Hensley said. “We are able to increase our cost efficiency on homes ranging from 3,000 to well over 5,000 square feet by downsizing the HVAC units with smaller condenser units.”



LP® TechShield® Radiant Barrier Sheathing is constructed with a thin, durable sheet of aluminum laminated to LP® OSB Sheathing, building energy efficiency directly into the home. LP’s patented VaporVents™ technology features incisions that penetrate past the foil and glue and into the wood fiber, allowing the panels to breathe and dry quickly if they are exposed to moisture during construction.

“The homeowners are really the ones that gain from TechShield, especially in the hot California summer months,” Hensley said.

According to Hensley, the benefits of using LP TechShield Radiant Barrier don’t stop there. He said the product is easy to install and provides quality he hasn’t seen in other roof sheathing materials. “Outside of its performance, TechShield is just made well. It’s precisely cut and clean. It’s a great product.”

## OUTCOME

Davidon Homes saw so much added benefit from LP TechShield Radiant Barrier Sheathing that hundreds of its homes have the product installed, and it’s been a standard feature on all of Davidon’s homes for nearly eight years.

“LP, in my mind, has some of the best representation in the field,” Hensley said. “They actually take interest in the companies they serve, and that makes our jobs a lot easier.”



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