



# HIGH PERFORMANCE ATTIC SYSTEMS HELP KEEP HOMES SAFER



## HELP PREVENT AGAINST WIND DRIVEN EMBERS

Structures in Wildland Urban Interface (WUI) zones are required to meet new building codes designed to protect buildings from being ignited by flying embers which can travel as much as a mile away from the wildfire. Wind gust can travel 100 mph, in 2017 damages topped \$10 million and 2018 has seen an increase in fires by 30%\*.

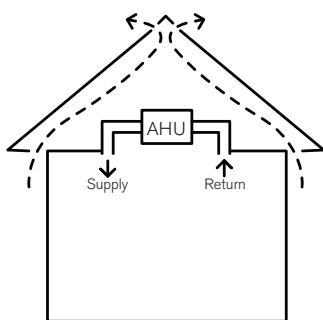
The following Owens Corning® insulation systems are designed to help prevent wind-blown embers from igniting a structure.

### Recommended Performance Path HPCA Unvented Attic

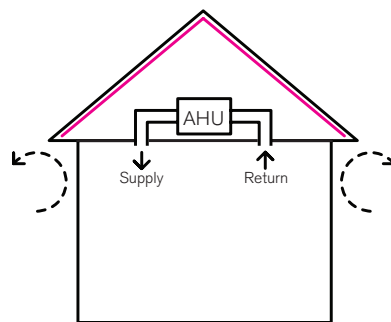
Insulate your roof deck with blown fiberglass using Owens Corning® High Performance Conditioned Attic System. The HPCA System eliminates roof ventilation, making the structure less vulnerable to wind-blown embers.

#### HPCA Code Requirements

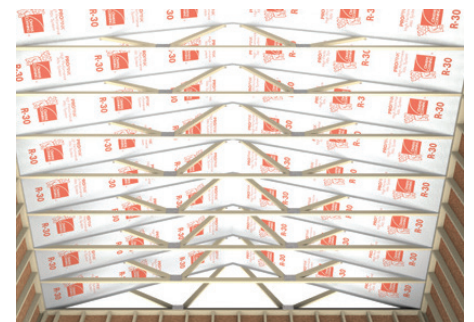
- Unvented/sealed attic assembly for maximum performance, comfort and value
- Meets and exceeds CA 2016 and 2019 Energy Code requirements for maximum design, performance and flexibility
- Air handler and ducts in unvented attic
- Attic must be air sealed to exterior
- Variable R-value levels including R-22, R-30, R-38 and R-49
- QII compliant, high quality fit and finish, lowest attic temperatures
- Non-vapor retarder and class 2 vapor retarder (VR) design based on climate zone
- Allows for significant material trade-offs to lower net installed cost



Traditional Attic



Unvented Attic



HPCA

\* <https://www.nfpa.org/Public-Education/By-topic/Wildfire/Wildfire-safety-tips>

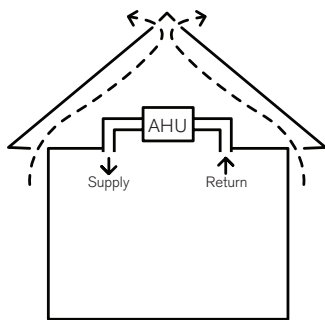


**Recommended Prescriptive Path  
HPA-B**

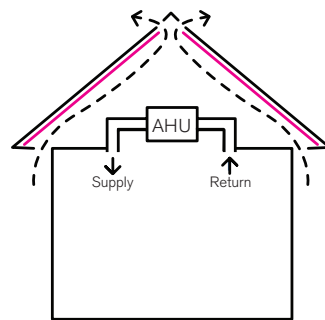
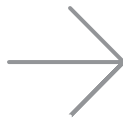
Adding fiberglass insulation at the roof deck, helps reduce attic temperatures in vented attics. It is also recommended to install “special heat rated vents designed to close when a specific temperature is reached” to help eliminate the spread of wind-blown embers.

**HPA-B Code Requirements**

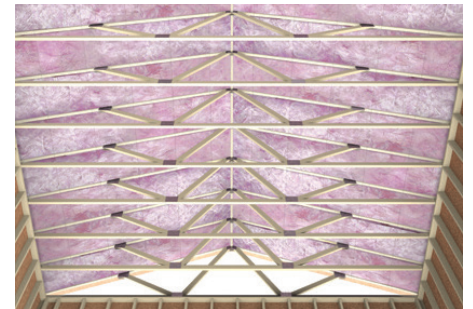
- Vented attic design per CA 2016 and 2019 energy code prescriptive assembly
- R-13 fiberglass insulation properly installed at underside of roof deck and ceiling meets 2016 code requirements
- R-19 fiberglass insulation properly installed at underside of roof deck and ceiling meets 2019 code requirements
- QII compliant / pass inspections



**Traditional Attic**



**High Performance Attic**



**HPA-B**

**Collaboration with Owens Corning  
brings you:**

- Proven building science and practical, scalable building practices that will help you meet or exceed new code requirements, while managing their impact on your business.
- A partnership with the #1 recognized, most preferred and most often used brand in insulation\*.
- Support from Owens Corning to help you translate building science into meaningful homeowner benefits.

\*Builder Brand Use Study, Hanley Wood, 2017



For additional solutions, [email title24.solutions@owenscorning.com](mailto:title24.solutions@owenscorning.com)

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