IBHS *Fortified...for safer living®*

Self-Assessment Checklist for Mandatory Requirements
Wildfire Hazard

Thank you for your interest in the ***Fortified*** program. You must complete this checklist before a project application can be released to you. Your goal is to understand the requirements of the program and assess your readiness to seek a ***Fortified*** designation.

Date:_____

Last Name:_____

First Name:_____

Business Name:_____

Email Address:_____

Business Phone:_____

Project Address:_____

City:_____

State:_____

Zip:_____

I am a:

☐Fortified Project Manager
☐Builder
☐Designer
☐Homeowner
☐Manufacturer
☐General Contractor
☐Other:_____

Instructions:

1. First, read the ***Fortified*** Builder's Guide---do not assume you understand this program without reading the Guide.

2. Answer ALL questions.

3. Return this completed checklist via email to FB@IBHS.ORG. ***Fortified*** staff will review your answers to determine if an application can be released to you.

I have read the above instructions:☑

Part 1

Wildfire Hazard Risk--General Criteria

Use the following questions to assess the general wildfire hazard risk for the location of the home:

1. Does the neighborhood have a history of wildfires?

   ☐ YES---you could be at moderate, high or extreme risk of wildfires.

   ☑ NO---you could live in a low risk area.

2. Review the following items, and check all that apply:

   Low risk areas typically have the following conditions:

   ☑ A humid climate with a short dry season.
   ☑ Flat terrain with no grades greater than 9%.
   ☑ Limited wildland or conservation exposure.
   ☑ Homes that are not crowded by trees.
   ☐ Manmade fuels located at least 50 feet from houses.
   ☑ A fire hydrant within 300 feet.
   ☑ Easy access for fire trucks.

   Moderate risk areas typically have the following conditions:

   ☐ A dry season that is less than 3 months.
   ☐ Hilly terrain with grades average between 10% and 20%.
   ☐ A shared border with a wildland or conservation area with light brush, small trees, or grass.
   ☐ Trees are located close to houses.
   ☐ Manmade fuels located within 50 feet or homes.
   ☑ A fire hydrant within 500 feet.
   ☑ Access for fire truck.

   Extreme Hazard areas typically have the following conditions:

   ☐ A dry season that is more than 3 months.
   ☐ Steep terrain with grades averaging more than 20%.
   ☐ Forested wildland within 100 feet of houses.
   ☐ Manmade fuels within 30 feet of houses.
   ☐ No fire hydrants.
   ☐ Limited access for fire trucks.

The hazard level with the most checks should indicate--in general--the applicable hazard level for the location of the home.

Proceed to Part 2 for detailed risk assessment questions.

Part 2

Wildfire Hazard Rating Criteria

Use the hazard rating score in this section to determine the appropriate hazard level and complete the corresponding section in Part 3.

1. Historical precedent for wildfires in the area:

During the past five years, have officials declared the area threatened by or at risk for wildfires?

Yes ☐(20 points)

Additional rating factors:

Area has a record of higher fire risk due to frequent lightning, railroads, industrial accidents, arson, etc. ☐(10 points)

Area is exposed to strong, dry winds. ☐(10 points)

2. Subdivision Design:

Ingress and egress into subdivision:

1 road in/out ☐(5 points)

Road Width:

20 ~ 25 feet ☑(3 points)
Less than 20 feet ☐(5 points)

Road Terminus:

Loop road, cul-de-sacs:

Outside radius less than 50 feet ☐(5 points)

Turnaround, cul-de-sacs:

Dead-end roads 150 feet or less ☐(3 points)
Dead-end roads more than 150 feet ☐(5 points)

No Turnaround:

Dead-end roads 150 feet or less ☐(10 points)
Dead-end roads more than 150 feet ☐(15 points)

Subtotal: 3

Road Condition:

Surfaced road, Grade >5%	☑(2 points)
Unsurfaced road, Grade <5%	☐(2 points)
Unsurfaced road, Grade >5%	☐(5 points)
Other than all-season	☐(10 points)

3. Vegetation (fuel):

What types of vegetative fuel surround the lot?

Light (grasses, forbs, sawgrass, tundra)	☐(5 points)
Medium (light brush, small trees)	☑(15 points)
Heavy (dense brush, timber, hardwoods)	☐(25 points)
Slash (timber harvesting residue)	☐(50 points)

4. Topography:

What is the maximum slope of the lot?

Less than 9%	☑(1 point)
10 ~ 20%	☐(4 points)
21 ~ 30%	☐(7 points)
31 ~ 40%	☐(8 points)
More than 41%	☐(10 points)

Building Setback:

If the slope of the lot is more than 30%, determine the following building setback from top of the slope:

Setback more than 30 feet	☐(1 point)
Setback less than 30 feet	☐(5 points)

5. Available Fire Protection:

Fire hydrant or alternate water supply is within 300 feet of the site:

No	☐(10 points)

6. Utilities (gas and electric):

Location of gas and electric utility services supplying lot:

One underground and one aboveground	☑(3points)
Both aboveground	☐(5 points)
Electric above ground and needed to operate water pump supply	☐(10 points)

Grand total: 24

Total points determine the wildfire hazard level according to the following chart:

Point Range	Hazard Level
0 ~ 20	Low
21 ~ 45	Moderate
46 ~ 100	High
101 or more	Extreme

Indicate hazard level: LOW☐ MODERATE☑ HIGH☐ EXTREME☐

Is the overall wildfire hazard level LOW? YES☐ NO☑

If YES---wildfire peril is not applicable to this site. You do not need to proceed with this self-assessment.

If NO---proceed to Part 3 and complete all sections that apply.

Part 3

An authorized inspector will verify that all mandatory items listed below have been correctly installed in the project during construction; inspection reports and photos taken will be provided to IBHS: YES☑

Mandatory Requirements For Moderate, High, and Extreme Wildfire Levels

1. Non-combustible street number at least 4" high, reflectorized, on a contrasting background, at each driveway entrance, visible from both direction of level: YES☑

2. Firewood storage and LP gas containers will be at least 50' away from any part of the home structure, and have at least 15 feet of survivable space around them: YES☑

3. Non-combustible, corrosion-resistant screening with a mesh size no greater than ¼" covering the attic and sub-floor vents; vent openings will not exceed 144 square inches at each vent: YES☑

4. Gutters and downspouts to be noncombustible materials; typical aluminum gutters and downspouts are acceptable: YES☑

5. Driveways will be at least 12 feet wide with at least 13.5 feet of vertical clearance: YES☑

6. If property and/or community is gated, the gate will open inward, have an entrance at least 2 feet wider than the driveway, and be at least 30 feet from the road; if secured, the gate will have a key box of a type approved by the local fire department: YES☑

7. Fire extinguishers installed and in compliance with applicable regulations: YES☑

8. Spark arrestors in all chimneys: YES☑

Additional High Hazard Area Mandatory Criteria

1. A survivable space of 50 feet: YES☐

2. A roof assembly with a Class A fire rating: YES☐

   NOTE: Wood shakes and wood shingles do not qualify regardless of rating:

3. Non-combustible material enclosing the undersides of aboveground decks and balconies: YES☐

4. Exterior windows are double-paned glass and non-combustible, corrosion resistant screens or has non-combustible shutters: YES☐

5. Exterior glass doors and skylights are double-paned glass: YES☐

6. Exterior wall assemblies will have one-hour fire resistive rating with fire resistant exterior surfaces: YES☐

   NOTE: The following materials are considered to be fire-resistive: wood boards or panels greater than ½" in thickness (including plywood and OSB), stucco, plaster, and brick or stone veneer:

7. Non-monitored smoke alarms: YES☐

Additional Extreme Hazard Area Mandatory Criteria

1. Survivable space of at least 100 feet: YES☐

2. Roof covering with a Class A fire rating according to UL 790 or ASTM E108 Class A: YES☐

   NOTE: Consult product packaging or other manufacturer literature to determine if product meets this standard.

   NOTE: Wood shakes and wood shingles <u>do not</u> qualify regardless of rating.

3. Non-combustible material enclosing the undersides of aboveground decks and balconies: YES☐

4. No fire-wood within 50 feet of structure: YES☐

5. Exterior windows double-paned glass with tempered outside lite, plus non-combustible corrosion resistant screens, or non-combustible shutters: YES☐

6. Exterior glass doors and skylights double paned and tempered glass: YES☐

7. Exterior wall assemblies must have one-hour fire resistive rating with non-combustible exterior surfaces such as brick veneer, concrete block, concrete, or stone: YES☐

8. Monitored smoke alarms: YES☐

9. In-home sprinkler system compliant with NFPA 13-D-2007: YES ☐

END OF CHECKLIST