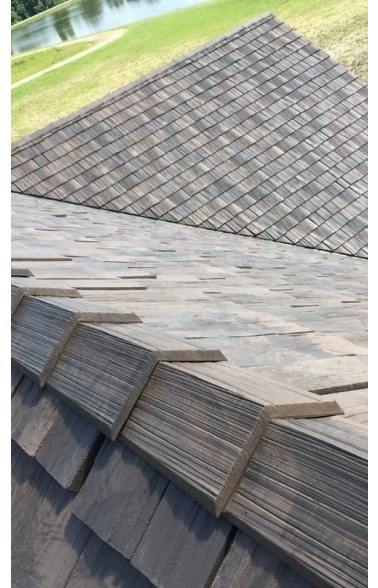




# How To Fill Out A HVHZ Uniform Permit Application



## HVHZ Uniform Permit Application

### Intro

Filling out a *HVHZ Uniform Permit Application* can be confusing and challenging. Brava has provided step-by-step instructions to guide you along the process. By following these steps carefully, you can navigate the process of filling out a permit form with confidence and ensure that your application is processed smoothly.

### Background

The [2023 Florida Building Code, Test Protocol for HVHZ](#) went into effect on *Jan 1, 2024*. Within the Florida Building Code (FBC), the HVHZ is comprised of *Miami-Dade, and Broward counties only*, or where the jurisdiction having authority has adopted their use (*Palm Beach & Monroe counties*). There will be additional counties adopting starting April 1, 2024. These areas have the potential for the highest wind speeds in Florida based on the ASCE (American Society of Civil Engineers) wind speed maps.

If your project is located within these counties, you will be required to fill out the HVHZ Uniform Permit Application. It is the responsibility of the contractor to fill out this form. Brava takes no liability or responsibility for errors or mistakes made during the application process. The contractor of record is responsible for ensuring the accuracy and completeness of all HVHZ permit applications. Please contact Brava for any questions during the process.

### RAS 127 & TAS 110

These high-velocity hurricane zone roofing requirements with associated roofing application standards (*RAS 127*) and testing application standards (*TAS 110*) are implemented in the HVHZ. The local building department enforces stringent requirements regarding roofing materials and installation instructions.



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The following steps can be used to help navigate the HVHZ permitting application process:

## Step 1

Find the two *Maximum Design Pressures* (Field /Perimeter & Corner) listed in the Brava Miami-Dade NOA that correlates the Brava Roof profile you are installing.

**Note:** Additional testing is in progress and approvals will be updated with new data accordingly.

### Brava Roof Profiles:

- a. [Brava Spanish Barrel Tile Class A](#)
- b. [Brava Spanish Barrel Tile Class C](#)
- c. [Brava Cedar Shake 22" Class C](#)

**Example:** Brava Spanish Barrel Tile Class C (Miami-Dade NOA)

### Zone 1 (Field)

Maximum Design  
Pressure  
(Field Condition):

**-91.75psf**

(See General Limitation #2)

### Zones 2 & 3 (Perimeter & Corner)

Maximum Design  
Pressure  
(Perimeter &  
Corner Condition ):

**-114.25psf**

(See General Limitation #2)



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## Step 2

Reference the [Roofing Application Standard \(RAS\) No. 127](#) for minimum ASD design wind uplift pressures (-PSF) for each roof pressure zone (1,2,3). In order to choose the correct Table, you will need to know the following:

- **Roof Type**
- **Roof Slope**
- **Risk Category**
- **Exposure Category**
- **Roof Mean Height**

### Example:

Roof type: **Hip**  
 Roof Slope: **5:12**  
 Risk Category: **II**  
 Exposure Category: **C**  
 Roof Mean Height: **< 15'**

Based on the project characteristics, [Table 8](#) should be used in this example.

**Note:** There are a total of 12 Tables to choose from in Chapter 15 of the FBC.



TABLE 8 - HIP ROOFS MINIMUM SD DESIGN WIND UPLIFT PRESSURES IN PFS FOR ROOF SLOPE - 4.5:12 TO LESS THAN 6:12 RISK CATEGORY II EXPOSURE CATEGORY "C"		
ROOF MEAN HEIGHT	ROOF PRESSURE ZONES SEE FIGURE 3	
	1	2 and 3
≤15'	-54	-74
> 15' to ≤ 20'	-57	-78
> 20' to ≤ 25'	-59	-82
> 25' to ≤ 30'	-62	-85
> 30' to ≤ 35'	-64	-88
> 35' to ≤ 40'	-66	-91
> 40' to ≤ 45'	-67	-93
> 45' to ≤ 50'	-69	-95
> 50' to ≤ 55'	-70	-97
> 55' to ≤ 60'	-72	-98



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## Step 3

Compare Brava's tested uplift pressures to the *Roof Pressure Zones* in the referenced Table.

- If Brava's pressure values are *greater than or equal* to the published pressures in the Chapter 15 Table, then the attachment method is **acceptable**.
- If Brava's pressure values are *lower* than the published pressures in the Chapter 15 Table, then the attachment method is **not acceptable**.

### Example:

Compare Brava's *Maximum Design Pressures* to *Table 8*.

#### Brava's Miami-Dade NOA Maximum Design Pressures

Maximum Design  
Pressure  
(Field Condition):

**-91.75psf**

(See General Limitation #2)

Maximum Design  
Pressure  
(Perimeter &  
Corner Condition):

**-114.25psf**

(See General Limitation #2)

**Table 8 – Hip Roofs**

TABLE 8 – HIP ROOFS MINIMUM SD DESIGN WIND UPLIFT PRESSURES IN PFS FOR ROOF SLOPE – 4.5:12 TO LESS THAN 6:12 RISK CATEGORY II EXPOSURE CATEGORY "C"		
ROOF MEAN HEIGHT	ROOF PRESSURE ZONES SEE FIGURE 3	
	1	2 and 3
≤15'	-54	-74

Brava's uplift pressure values of **-91.75** for Zone 1 and **-114.25** for Zones 2 & 3 are greater than the published pressures in Table 8 for Roof Pressure Zone 1 (**-54**) and Zone 2 & 3 (**-74**).

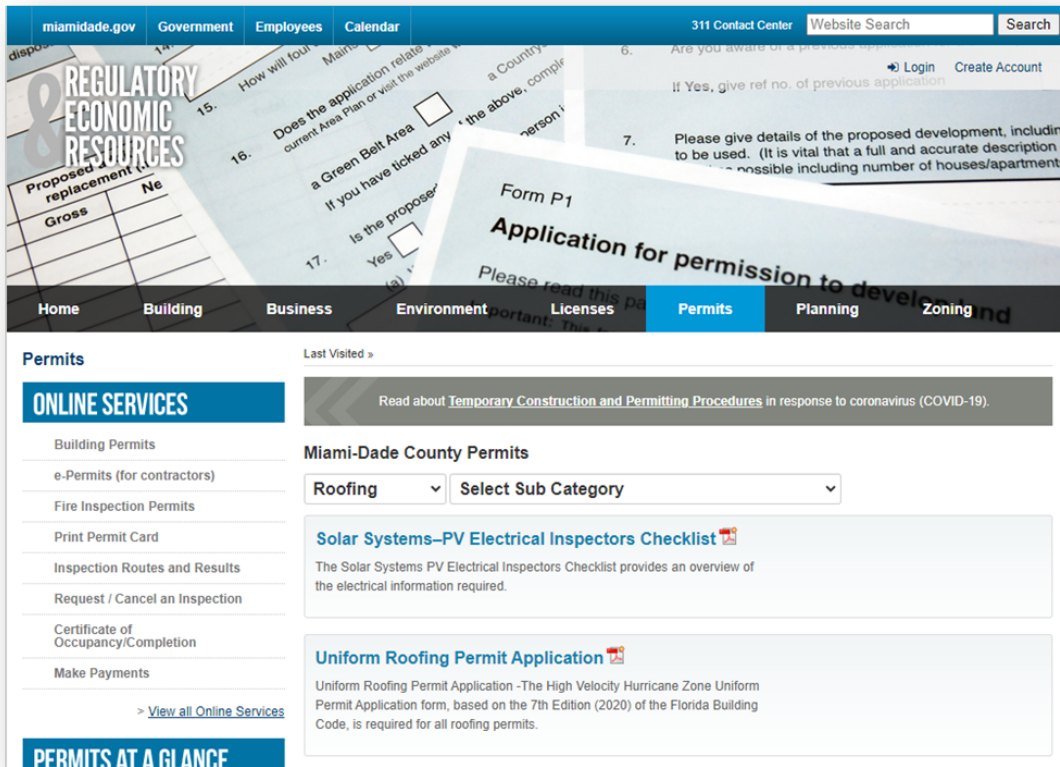
**Result: Acceptable**



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## Step 4

Carefully read the instructions provided on the permit form. To fill out the [HVHZ Uniform Permit Application](#) per [Section 1525](#), you will need to complete the required sections of the the uniform roofing permit application form (*A,B and D*) and attach the required documents as noted below.



You can also fill out your building permit application online by visiting <https://www.miamidade.gov/permits/home.asp?cat=roof>.





# How To Fill Out A HVHZ Uniform Permit Application

## HVHZ Uniform Permit Application (Sections A, B & D only)

**Important!** Brava testing falls under the *“Other”* roof system category. Only *Sections A, B, and D are required.*

### Blank Form

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High Velocity Hurricane Zone Uniform Roofing Application Form for Miami-Dade County

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**INSTRUCTION PAGE**

COMPLETE THE NECESSARY SECTIONS OF THE UNIFORM ROOFING PERMIT APPLICATION FORM AND ATTACH THE REQUIRED DOCUMENTS BELOW:

Roof System	Required Sections of the Permit Application Form	Attachments Required See List Below
Low Slope Application	A,B,C	1,2,3,4,5,6,7
Asphaltic Shingles	A,B,D	1,2,4,5,6,7
Concrete or Clay Tile	A,B,D,E	1,2,3,4,5,6,7
Metal Roofs	A,B,D	1,2,3,4,5,6,7
Wood Shingles and Shakes	A,B,D	1,2,4,5,6,7
Other	As Applicable	1,2,3,4,5,6,7

**ATTACHMENTS REQUIRED:**

- Fire Directory Listing Page
- From Product Approval:  
Front Page  
Specific System Description  
Specific System Limitations  
General Limitations  
Applicable Detail Drawings
- Design calculations per Chapter 16, or if applicable, RAS 127 or RAS 128
- Other Component Product Approval
- Municipal Permit Application
- Owner's Notification for Roofing Considerations (Reroofing Only)
- Any Required Roof Testing / Calculation Documentation

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**Section A (General Information)**

Master Permit Number: \_\_\_\_\_ Process Number: \_\_\_\_\_  
Contractor's Name: \_\_\_\_\_  
Job Address: \_\_\_\_\_

**ROOF CATEGORY**

☐ Low Slope ☐ Mechanically Fastened Tile ☐ Mortar / Adhesive Set Tile  
☐ Asphaltic Shingles ☐ Metal Panel/ Shingles ☐ Wood Shingles / Shakes

**ROOF TYPE**

☐ New Roof ☐ Repair ☐ Maintenance ☐ Reroofing ☐ Recovering


**ROOF SYSTEM INFORMATION**

Low Slope Roof Area (ft<sup>2</sup>) \_\_\_\_\_ Steep Sloped Roof Area (ft<sup>2</sup>) \_\_\_\_\_ Total (ft<sup>2</sup>) \_\_\_\_\_

Are there gas vents on the roof? ☐ Yes ☐ No If Yes what type? ☐ Natural ☐ LPX  
Is there an existing roof top Solar System? ☐ Yes ☐ No If yes will it be reinstalled? ☐ Yes ☐ No

**Section B (Roof Plan)**

Sketch Roof Plan: Illustrate all levels and sections, roof drains, scuppers, overflow scuppers and overflow drains. Include dimensions of sections and levels, clearly identify dimensions of elevated pressure zones and location of parapets.



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**Section D (Steep Sloped Roof System)**

Roof System Manufacturer: \_\_\_\_\_  
Product Control Number: \_\_\_\_\_

Minimum Design Wind Pressures, From Applicable RAS 127 Table or Calculations:  
Zone1: \_\_\_\_\_ Zone 2: \_\_\_\_\_ Zone3: \_\_\_\_\_  
Slope Range: ☐ ≥ 2:12 to ≤ 4:12 ☐ > 4:12 to ≤ 6:12 ☐ > 6:12 to ≤ 12:12  
Roof Shape: ☐ All Hip Roof ☐ Gable Roof or Partial Gable/Hip Roof

Deck Type: \_\_\_\_\_

Underlayment Type: \_\_\_\_\_

Roof Slope: :12

Insulation: \_\_\_\_\_

Fire Barrier: \_\_\_\_\_

Ridge Ventilation? ☐

Fastener Type & Spacing: \_\_\_\_\_

Cap Sheet Type: \_\_\_\_\_

Cap Sheet Attachment: \_\_\_\_\_

Roof Covering: \_\_\_\_\_

Drip Edge Type & Size: \_\_\_\_\_

Mean Roof Height: \_\_\_\_\_



# How To Fill Out A HVHZ Uniform Permit Application



## Example

### Section A: General Information

Section A (General Information)		
Master Permit Number: 2468	Process Number: 00001	
Contractor's Name: XYZ Contracting		
Job Address: 123 Main St, Miami FL		
ROOF CATEGORY		
<input type="checkbox"/> Low Slope	<input checked="" type="checkbox"/> Mechanically Fastened Tile	<input type="checkbox"/> Mortar / Adhesive Set Tile
<input type="checkbox"/> Asphaltic Shingles	<input type="checkbox"/> Metal Panel/ Shingles	<input type="checkbox"/> Wood Shingles / Shakes
ROOF TYPE		
<input type="checkbox"/> New Roof	<input type="checkbox"/> Repair	<input type="checkbox"/> Maintenance
<input checked="" type="checkbox"/> Reroofing		<input type="checkbox"/> Recovering
ROOF SYSTEM INFORMATION		
Low Slope Roof Area (ft²)	Steep Sloped Roof Area (ft²)	Total (ft²)
	2,200	2,200
Are there gas vents on the roof? <input type="radio"/> Yes <input checked="" type="radio"/> No If Yes what type? <input type="radio"/> Natural <input type="radio"/> LPX		
Is there an existing roof top Solar System? <input type="radio"/> Yes <input checked="" type="radio"/> No If yes will it be reinstalled? <input type="radio"/> Yes <input checked="" type="radio"/> No		

### Section B: Roof Plan

Section B (Roof Plan)
Sketch Roof Plan: Illustrate all levels and sections, roof drains, scuppers, overflow scuppers and overflow drains. Include dimensions of sections and levels, clearly identify dimensions of elevated pressure zones and location of parapets.



# How To Fill Out A HVHZ Uniform Permit Application

## Section D: Steep Slope Roof System

**Section D (Steep Sloped Roof System)**

Roof System Manufacturer:

Product Control Number:

Minimum Design Wind Pressures, From Applicable RAS 127 Table or Calculations:

Zone1:  Zone 2:  Zone3:

Slope Range: ☐  $\geq 2:12$  to  $\leq 4:12$  ☒  $> 4:12$  to  $\leq 6:12$  ☐  $> 6:12$  to  $\leq 12:12$

Roof Shape: ☒ All Hip Roof ☐ Gable Roof or Partial Gable/Hip Roof

Deck Type:

Underlayment Type:

Roof Slope:  :

Insulation:

Fire Barrier:

Ridge Ventilation?

Fastener Type & Spacing:

Cap Sheet Type:

Cap Sheet Attachment:

Mean Roof Height:

Roof Covering:

Drip Edge Type & Size:





# How To Fill Out A HVHZ Uniform Permit Application

## Resources

Brava provides installation guidance for all products at <https://www.bravarooftile.com/resources/>.

Brava Technical Support offers In-Plant and Remote Installation Training in English and Spanish. Remote training is accessible regardless of location. Training prior to beginning installation can prevent costly delays. Please schedule training early to ensure availability.

*FBC: [2023 Florida Building Code, Test Protocol for HVHZ](#)*

*Uniform Roofing Permit Application: <https://www.miamidade.gov/permits/home.asp?cat=roof>*

*RAS 127: [Roofing Application Standard \(RAS\) No. 127](#)*

*TAS 110: [Testing Application Standard \(TAS\) No.110](#)*

## Questions

If you have any questions regarding Brava Roof Tile products, testing or filling out the HVHZ Uniform Permit Application, call 844-290-4196 and ask for Technical Support. Or contact us through the [Technical Support Portal](#).

