

Shingle Roof Checklist & Retrofit Suggestions

GENERAL:

Date of installation _____ Note the age of your shingle roof: _____ years
 Wind rating of shingles (*circle one*): ASTM D 3161 (*circle one*): Class D, F, G, or H
 ASTM D 7158 (*circle one*): Class D, F, G, or H
 None that can be determined

You may be able to learn this from the proposal or invoice from the roofer or from the wrapper around extra shingles the roofer may have left you.

VISUAL INSPECTION OF SHINGLES:

As noted in the guide, gently lift up on the bottom edge of a number of shingle tabs to determine whether they are well adhered to the shingles below. Also, lift up on some shingle tabs at the edges of the roof to determine whether the shingles are adhered to the top of the drip edge metal. Visually assess the condition of the shingles (using the photos in the guide) to identify cracks, broken or missing tabs, buckling or curling of tabs or shingles, blistering of shingles, tabs with most of their granules worn off. Use these observations to complete the checklist below.

Shingle Checklist Table

	A < 1 in 10	B 1 in 10	C 2 in 10	D More Than 2 in 10
1. Loose tabs	[]	[]	[]	[]
2. Cracks in shingles	[]	[]	[]	[]
3. Broken or missing tabs	[]	[]	[]	[]
4. Buckling or curling shingles	[]	[]	[]	[]
5. Blistering of tabs	[]	[]	[]	[]
6. Most granules worn off tabs	[]	[]	[]	[]
<i>Sum</i>	A = _____	B = _____	C = _____	D = _____

EVALUATION: RATING CONDITION OF SHINGLES BASED ON THE SHINGLE CHECKLIST ABOVE

Enter the sum of the checks for each column, multiply by the indicated weighting below, and sum the results:

$A \times 1 + B \times 5 + C \times 10 + D \times 20 = \text{Shingle Roof Rating}$ $(\quad) \times 1 + (\quad) \times 5 + (\quad) \times 10 + (\quad) \times 20 = \underline{\hspace{2cm}}$				
<u>Shingle Roof Rating</u>	<u>Suggested course of action</u>			
1 to 6	Use asphalt roof cement to strengthen or repair damaged or loose tabs over your entire roof.			
7 to 30	It will take some time for the retrofits, but you can probably still buy a year or so by patching and re-anchoring tabs using asphalt roof cement.			
> 30	You need to re-roof soon; get a roofing contractor to evaluate your roof.			

VISUAL INSPECTION OF OTHER THINGS ON SHINGLE ROOFS

Roof Penetrations (vent pipes, chimneys):

<u>Condition</u>	<u>Recommended Action</u>	<u>Completed</u>
<input type="checkbox"/> Well sealed and tight	Check again next year	
<input type="checkbox"/> Some gaps missing sealant	Fill gaps, seal with flashing cement	<input type="checkbox"/>
<input type="checkbox"/> Badly deteriorated, gaps, holes	Hire roofer to repair or replace flashing, boot, etc.	<input type="checkbox"/>

Off-Ridge Roof Vents:

<u>Condition</u>	<u>Recommended Action</u>	<u>Completed</u>
<input type="checkbox"/> Solidly attached	Check again next year	
<input type="checkbox"/> Vents wiggle back and forth	Hire roofer to check and improve anchorage	<input type="checkbox"/>
<input type="checkbox"/> No screws attaching turbines or caps	Add stainless steel screws to anchor turbine or cap, make cap that can be attached before a hurricane	<input type="checkbox"/>

Note: Screws should be stainless steel or heavily galvanized. If not, they will rust away.

Ridge Vents:

<u>Condition</u>	<u>Recommended Action</u>	<u>Completed</u>
<input type="checkbox"/> Screwed down and tight	Check again next year	
<input type="checkbox"/> Nailed down	Replace nails with stainless steel screws of larger diameter threads* than existing fastener and long enough to go through deck	<input type="checkbox"/>

* The root diameter of the screw should be about the same size as the diameter of the nail you removed.



(click image for larger version)

VISUAL SIGNS OF WATER LEAKS FROM INSIDE THE ATTIC:

<input type="checkbox"/> Yes **	<input type="checkbox"/> No	Water stains on roof decking - especially look above chimney, around vents and penetrations, along valleys or where the roof slope changes.
<input type="checkbox"/> Yes **	<input type="checkbox"/> No	Signs of discolored or deteriorating roof deck, rafters, or trusses.

** If you see signs of water leaks, have a roofer check for and repair leaks.

VISUAL SIGNS OF WATER LEAKS FROM INSIDE HOUSE:

<input type="checkbox"/> Yes **	<input type="checkbox"/> No	Water stains on ceiling, cracked wall or ceiling paint, discolored ceiling or wall board, peeling wall paper near ceiling (in bathroom or around ducts this may not be a sign of a roof leak).
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** If you see signs of water leaks, have a roofer check for and repair leaks.