



Roofing - Not A glitch

Glitch Modifications

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850-487-1824

Date Submitted	3/18/2011	Section	1507.2.7.1(1)	Proponent	Lisa Pate
Chapter	15	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications**Summary of Modification**

Makes a correction to the current code to update the wind chart for asphalt shingles.

Rationale

If ASTM D 7158 is the only testing criteria that meets wind speed over 110 MPH, that should be the only test required. The Florida specific need is established due to the conflict within the updated code. The proposed code change will have no impact on small business.

Fiscal Impact Statement**Impact to local entity relative to enforcement of code**

None.

Impact to building and property owners relative to cost of compliance with code

None.

Impact to industry relative to the cost of compliance with code

None.

Requirements**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Strengthens the code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Strengthens the code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Does not discriminate.

Does not degrade the effectiveness of the code

Does not degrade the code; strengthens the code.

Table 1507.2.7.1(1) revise table to read as shown:

Table 1507.2.7.1
Wind Resistance of Asphalt Shingles

Maximum Basic Wind Speed MPH (per Figure 1609)	Classification
<u>V_{asd} AS DETERMINED IN ACCORDANCE WITH SECTION 1609.3.1</u>	
100	ASTM D3161 Class D or <u>and</u> ASTM D 7158 Class G or <u>H</u> or TAS 107
110	ASTM D3161 Class F or <u>and</u> ASTM D 7158 Class G or <u>H</u> or TAS 107
120	ASTM D3161 Class F or ASTM D 7158 Class G <u>H</u> or <u>TAS 107</u>
130	ASTM D3161 Class F or ASTM D 7158 Class H or <u>TAS 107</u>
140	ASTM D3161 Class F or ASTM D 7158 Class H or <u>TAS 107</u>
150	ASTM D3161 Class F or ASTM D 7158 Class H or <u>TAS 107</u>

Date Submitted	3/18/2011	Section	1507.2.7.1	Proponent	Lisa Pate
Chapter	15	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications**Summary of Modification**

To correct references in the text of the code which reflects changes made to corresponding charts.

Rationale

To correct text to match table in which reference is made. The Florida specific need is established due to the conflict within the updated code. The proposed code change will have no impact on small business.

Fiscal Impact Statement**Impact to local entity relative to enforcement of code**

None.

Impact to building and property owners relative to cost of compliance with code

None.

Impact to industry relative to the cost of compliance with code

None.

Requirements**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Strengthens the code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Strengthens and improves the code; to clarify table reference.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Does not discriminate.

Does not degrade the effectiveness of the code

Does not degrade code; strengthens it.

1507.2.7.1 Wind Resistance of Asphalt Shingles. Asphalt Shingles shall be classified in accordance with ASTM D3161, TAS 107 or ASTM D7158 to resist the basic wind speed per Figure 1609 (*this is the wind map with the state on it*). Shingles classified as ASTM D 3161 Class D ~~or~~ and ASTM D 7158 Class G or Class H are acceptable for use in the 100-mph wind zone. Shingles classified as ASTM D3161 Class F and ASTM D 7158 Class G or H or TAS 107 are acceptable for use in the 110-mph wind zone. ~~Shingles classified as ASTM D3161 Class F, TAS 107 or ASTM D 7158 Class H are acceptable for use in all wind zones.~~ Asphalt shingle wrappers shall indicate compliance with one of the required classifications as shown in Table 1507.2.7.1.

Date Submitted	5/6/2010	Section	1515.2.2.1	Proponent	Scott Thompson
Chapter	15	Affects HVHZ	Yes	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				

Comments

General Comments	No	Alternate Language	No
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Related Modifications

R4369

Summary of Modification

Correction to section 1515.2.2.1

Rationale

Allows for the installation of roofing systems designed to be installed in a ponding environment. In some cases the original construction design did not contemplate adding slope to the roofing system. In cases like this items such as but not limited to door thresholds, cooling towers, scupper heights, etc would need to be modified in order to accommodate the new flashing heights creating an economic burden on the owner. In some cases items like door thresholds may not be modified due to other code restrictions.

Fiscal Impact Statement**Impact to local entity relative to enforcement of code**

\$0

Impact to building and property owners relative to cost of compliance with code

\$0

Impact to industry relative to the cost of compliance with code

\$0

Requirements**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Provides aid to the general public in the form of offering alternative methods of roofing at a lower cost.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Provides a more economical method of roofing.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Does not discriminate

Does not degrade the effectiveness of the code

Does not degrade

SECTION 1510

REROOFING

SECTION 1515

Section 1515.2.2.1 ~~In new construction the minimum deck slope shall not be less than 1/4:12. Re-roofing shall not be required to meet the minimum design slope requirement of 1/4:12 for roofs that provide positive roof drainage or have met all of the following criteria.~~

- 1) A structural engineer must perform a complete evaluation of the structural framing, deck type, typical construction tolerances, expected deck deflection, drain locations, emergency overflow provisions, overlayment materials (e.g., gypsum board, insulating concrete, and insulation), membrane type, penetrations, potential blockage, and overall building/roof layout and then certify that the added combined weight is within the structural weight load limits for the subject property
- 2) Where parapets or curbs are constructed above the level of the roof, provision for overflow shall be made to prevent rain water accumulation on the roof in excess of that considered in the structural evaluation above, in the event primary drains, conductors or leaders become clogged.
- 3) Membrane system must be designed and approved by the manufacturer to have water retaining capability.

Date Submitted	3/18/2011	Section	905.2.6.1	Proponent	Lisa Pate
Chapter	9	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications

Summary of Modification

To correct text in code which reference a table. This will correct the language so they match.

Rationale

To correct text in the current code which reference a table. Both the text and the table will now be the same. Florida specific need is established due to the conflict within the updated code. The proposed code changes will have no impact on small business.

Fiscal Impact Statement

Impact to local entity relative to enforcement of code

None.

Impact to building and property owners relative to cost of compliance with code

None.

Impact to industry relative to the cost of compliance with code

None.

Requirements

Has a reasonable and substantial connection with the health, safety, and welfare of the general public

Strenghtens the code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Strengthens the code and clarifies.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Does not discriminate.

Does not degrade the effectiveness of the code

Does not degrade the code; strengthens it.

905.2.6.1 Wind Resistance of Asphalt Shingles. Asphalt Shingles shall be classified in accordance with ASTM D3161, TAS 107 or ASTM D7158 to resist the basic wind speed per Figure R301.2(4). Shingles classified as ASTM D 3161 Class D ~~or~~ and ASTM D 7158 Class G or Class H are acceptable for use in the 100-mph wind zone. Shingles classified as ASTM D3161 Class F and ASTM D 7158 Class G or H or TAS 107 are acceptable for use in the 110-mph wind zone. Shingles classified as ~~ASTM D3161 Class F, TAS 107 or~~ ASTM D 7158 Class H are acceptable for use in all wind zones. Asphalt shingle wrappers shall indicate compliance with one of the required classifications as shown in Table R905.2.6.1.

Date Submitted	3/18/2011	Section	R905.2.6.1	Proponent	Lisa Pate
Chapter	9	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications

Summary of Modification

Updating current code to include more accurate language for the new ASCE 7 wind map.

Rationale

If ASTM D 7158 is the only testing criteria that meets wind speeds over 110 MPH, that should be the only test required. The Florida specific need is established due to the conflict within the updated code. The proposed code change will have no impact on small business.

Fiscal Impact Statement

Impact to local entity relative to enforcement of code

None.

Impact to building and property owners relative to cost of compliance with code

None.

Impact to industry relative to the cost of compliance with code

None.

Requirements

Has a reasonable and substantial connection with the health, safety, and welfare of the general public

It corrects a conflict within the code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Corrects a conflict within the code and strengthens it.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Does not discriminate.

Does not degrade the effectiveness of the code

Does not degrade code; strengthens it.

Table R905.2.6.1 Wind Resistance of Asphalt Shingles

Maximum V_{asd} as determined in accordance with Section R301.2.3 Basic Wind Speed MPH (per Figure R301.2 (4))	Classification
100	ASTM D3161 Class D or <u>and</u> ASTM D 7158 Class G <u>or</u> H <u>or</u> TAS 107
110	ASTM D3161 Class F or <u>and</u> ASTM D 7158 Class G <u>or</u> H <u>or</u> TAS 107
120	ASTM D3161 Class F or ASTM D 7158 Class H <u>or</u> TAS 107
130	ASTM D3161 Class F or ASTM D 7158 Class H <u>or</u> TAS 107
140	ASTM D3161 Class F or ASTM D 7158 Class H <u>or</u> TAS 107
150	ASTM D3161 Class F or ASTM D 7158 Class H <u>or</u> TAS 107

Date Submitted	3/11/2011	Section	R905.7.6.1	Proponent	Lisa Pate
Chapter	9	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications**Summary of Modification**

To correct typo - to use proper word in code and to clarify definition.

Rationale

To correct typo. This section addresses wood shingles, not wood shakes. Combined sentences for clarification. 3d nails are not long enough to penetrate both the wood shingle and the sheathing. The Florida specific need is established due to the conflict within the updated code. The proposed code change will have no impact on small business.

Fiscal Impact Statement**Impact to local entity relative to enforcement of code**

Clarification of existing code.

Impact to building and property owners relative to cost of compliance with code

None.

Impact to industry relative to the cost of compliance with code

None.

Requirements**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

No impact.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Strengthens and improves the code to make it consistent.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Does not discriminate.

Does not degrade the effectiveness of the code

Does not degrade code but makes it more effective.

R905.7.6.1 Fasteners

R905.4.6.1.1 Nails. Nails to attach the wood ~~shakes~~ shingles shall be 3d stainless steel ring shank nails. ~~and The~~ nails shall have of sufficient length to penetrate through the wood ~~shakes~~ shingles and shall ~~penetrate~~ through the sheathing.

Date Submitted	2/28/2011	Section	R4402.6.5.2	Proponent	T Stafford
Chapter	44	Affects HVHZ	Yes	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications

Summary of Modification

Editorial and grammatical corrections to Section R4402.6.5.2.

Rationale

The proposed code change corrects a conflict within the updated code. The Florida specific need is established due to the conflict within the updated code. The proposed code change will have no impact on small business.

Fiscal Impact Statement

Impact to local entity relative to enforcement of code

No impact.

Impact to building and property owners relative to cost of compliance with code

No impact.

Impact to industry relative to the cost of compliance with code

No impact.

Requirements

Has a reasonable and substantial connection with the health, safety, and welfare of the general public

Not applicable. Corrects a conflict within the updated code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Not applicable. Corrects a conflict within the updated code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

R4402.6.5.2 Such fasteners shall be applied through ~~F~~ tin caps no less than 1⁵/₈-inches (41 mm) and not more than 2-inches (51 mm) in diameter and of not less than 32 gauge (0.010 inch) sheet metal. Cap nails or prefabricated fasteners with integral heads complying with this section shall be an acceptable substitute. All tin caps, cap nails, or prefabricated fasteners with integral heads shall be tested for corrosion resistance in compliance with TAS 114 Appendix E, Section 2 (ASTM G 85), and shall be ~~have~~ Product Approved Approval. All ~~of~~ cartons or carton labels ~~for~~ tin caps, cap nails, or prefabricated fasteners with integral heads shall ~~be labeled to~~ note compliance with the corrosion resistance requirements.