

Mitigation Comments

3/19/08

Cone, 101.2 change to read: when a roof covering on an existing site-built, single family residential structure is removed and replaced....

[Approved]

Richard, horizontal joint beneath, foam fills horizontal joint void. Seal between roof sheathing and top part of rafter, puddles on sheath below.

Chris, not intended to be left this way. Exposed during roof construction, roof covered and reroofed. Not an issue.

Joe, high pressure stream, fills gap, seals along side the rafter, no ASTM standards cover this, water does not get in and does not lay down.

Billy, secondary water barrier required? Glitch cycle does not require, if underlayment is deemed a water barrier, felt underneath, eliminate fasteners on top?

Richard, for secondary water barrier involving system on roof, the installation method may be different. Install felt traditional way and foam as water barrier.

Billy, change secondary water barrier? Foam serves as water barrier?

Chris, mitigate shingle roof,

Billy, not a code issue

Dwight, in lieu of additional fasteners, ½ inch caulk bead between sheathing and roof deck, does not fill cavity

Jack, mitigation, hardening of existing houses, insurance industry wants to be part of code or approved method of mitigation. Address home hardening to improved reduced risk.

Richard, building permit allows prescriptive method in code.

Billy, foam all the way through joint, gaps few. Close off ventilation to attic. Require attic to be ventilated or design to be a non-ventilated space.

Lorraine, are we locked into this language?

Mo, finalize and include in glitch process.

Dwight, 201.1.2 same language, replacement for having to renail.

Joe, same material serves for uplift resistance.

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Billy, not clear how holes will be done.

Billy, cutting holes to do retrofit, no greater gap than ½ inch, truss or rafter to span to provide center support.

Richard, cut hole in roof to inspect and make connection to roof or wall and repair access hole. ½ inch does not relate to 1/8 in between sheets. Allowing reasonable amount.

Chris, ok to have 2 span or single span repair as inspection hole. Plywood replacement is 2 span condition.

Billy, structurally sound

Lorraine, secondary water barrier, 201.2 replace with comment except e).

Billy, 201.2, language 611.2 preferred language, when roof covering is removed and replaced,

Chris, b and c refer to section R4402.7.4?

Kevin, sections a, b, c as shown?

Chris, exception in b is more restrictive than c, not necessary.

Lorraine, exception addresses HVHZ,

Chris, c is

Lorraine, 4402.7.4 does not address peel and stick.

Lorraine, exceptions for tile at the end

Billy, #30 is secondary water barrier in HVHZ, self adhered on it.
Already have secondary water barrier. Option of self adhered on already installed water barrier should be an option in HVHZ.

Lorraine, hard to put into language, all are options. Not allow peel and stick in HVHZ.
Can do over a base sheet ex b.

Billy, why put layer on?

Lorraine, Dade County used it in the code.

Chris, peel and stick in HVHZ. Hot mop tile, not need exception.

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Lorraine, there is no definition for secondary water barrier, how to measure is up in the air, over reaching in the insurance industry. Make option available outside HVHZ.

Chris, b outside HVHZ, remove the exception.

Dwight, exception puts back into HVHZ.

Chris, move

Lorraine, c, in the HVHZ, s. 4402.7.2, 4402.7.3, and 4402.7.4.

Billy, d, outside the HVHZ, delete underlayment section type I or type II, new construction, 2 layers of type I, why make an existing home have thicker felt than new home?

Chris, type II on #1

Billy, type I on any new home, change new homes to type II or change existing to type I or type II

Billy, don't buy home after 2001, it can have 15 felt.

Lorraine, current code outside HVHZ, roof slopes can be type I or II.

Chris, section 1, fastening pad, synthetics, 12 inch grid or per manufacturers instructions.

Lorraine, per manufacturer instructions.

Chris, 30# felt fastened per ... synthetic underlayment fastened in accordance with manufacturer instructions.

Billy, d, type II to type I? no.

Billy, new construction, not addressing wind mitigation.

Lorraine, type I or type II for 30

Chris, under 2 only.

Billy, if don't use 15, take out of code and not allow for new construction. Penalizes the existing homeowner.

Kenny, lap, more fasteners per square foot strengthens.

Chris, needs testing, when does 15# rip off?

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Chris, will go with type I and type II in d, 1 and d, 2 as per current code.

Matt, include testing in UF study?

unanimous

Lorraine, cell foam under roof deck, must meet fire requirements of foam insulation.
May not meet secondary water barrier.

Gary Schafer, North Carolina Foam Industries, closed cell foam used for insulation and water migration, as sealant or with insulation.

Chris, closed cell foam qualified, engineered nonventilated attic.

Billy, R314 foam plastic insulation, fire properties, 2 cell?

Lorraine, no standards yet, Adhesive Sealant Council,

Billy, HVHZ, take out the reference to 2 part and use cell foam spray on.

Richard, unvented attics, sealed plywood does not mean attic is unvented.

Kenny,

Lorraine

Chris, insulation on bottom chord and roof deck?

Rick, do not have to remove.

Lorraine, limitations on fire, can fill up entire space,

Dwight, cannot have paper on insulation, moisture barrier.

Rick, intervening space between barriers do not need vapor barrier. Heats and revaporizes water.

Chris, insulation on top and bottom,

Rick, roof deck surface, space below is in

Last sentence ok.

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Dwight, support for nailing and replacement nails. Application and inspection of water membrane does not support.

Kenny, Icynine, trapped air space, closed cell.

Rick, closed cell does not transmit moisture through as well as open cell.

Chris, urethane may function as secondary barrier, may unknowingly have holes in the underlayment.

Richard, need rafters and top chords available for inspection.

No motion on last sentence in e.

Billy,

Lorraine, if omit last sentence, triggers fire requirements.

Billy, spray entire underside of deck for insulation/water barrier, cause problems?
Change first part to: limit to joints and top chords.

Billy would not support secondary water barrier.

Lorraine, FL9975 has multiple applications.

Billy, supplemental fasteners, existing conditions.
Label table existing fasteners.

CW, Smooth shank removed, should say ring shank as well as smooth shank.

Chris, fixed in the draft.