



STATE OF WASHINGTON
STATE BUILDING CODE COUNCIL

May 2018
Log No. _____

1. State Building Code to be Amended:

- | | |
|---|---|
| <input checked="" type="checkbox"/> International Building Code | <input type="checkbox"/> International Mechanical Code |
| <input type="checkbox"/> ICC ANSI A117.1 Accessibility Code | <input type="checkbox"/> International Fuel Gas Code |
| <input type="checkbox"/> International Existing Building Code | <input type="checkbox"/> NFPA 54 National Fuel Gas Code |
| <input type="checkbox"/> International Residential Code | <input type="checkbox"/> NFPA 58 Liquefied Petroleum Gas Code |
| <input type="checkbox"/> International Fire Code | <input type="checkbox"/> Wildland Urban Interface Code |
| <input type="checkbox"/> Uniform Plumbing Code | |

For the Washington State Energy Code, please see specialized [energy code forms](#)

Section(s):

Section 2103.2.4

Title:

Mortar for adhered masonry veneer

2. Proponent Name (Specific local government, organization or individual):

Proponent: Northwest Concrete Masonry Association

Title:

Date: May 25, 2021

3. Designated Contact Person:

Name: Tom Young

Title: Director

Address: 16300 Mill Creek Boulevard #208 Mill Creek, WA 98012

Office Phone: (425) 697-5298

Cell: ()

E-Mail address: tcyoung@nwcma.org

4. **Proposed Code Amendment.** Reproduce the section to be amended by underlining all added language, striking through all deleted language. Insert new sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code additional pages may be attached. (Examples on the SBCC [website](#))

Code(s) IBC Section(s) 2103.2.4

Enforceable code language must be used; see an example [by clicking here](#).
Amend section to read as follows:

2103.2.4 Mortar for adhered masonry veneer. Mortar for use with adhered masonry veneer shall conform to ASTM C270 for Type N or S, or shall comply with TMS 402, Section 12.3.2.4 modified as follows:

The setting bed mortar shall comply with ANSI A118.4 or A118.15 for latex-modified Portland cement mortar. For the scratch coat and joint mortar, provide Type N or S mortar that complies with TMS 602, Article 2.1A; or a latex or polymer-modified mortar.

5. **Briefly explain your proposed amendment, including the purpose, benefits and problems addressed.** Specifically note any impacts or benefits to business, and specify construction types, industries and services that would be affected. Finally, please note any potential impact on enforcement such as special reporting requirements or additional inspections required.

A common mode of failure of adhered veneer is the debonding of the units from the wall. Requiring latex-modified setting bed (bond coat) mortar capable of developing higher bond strength is warranted. ANSI A118.15, for example, requires a 28-day shear bond strength of 400 psi for an improved-modified mortar, which is significantly higher than the current TMS 402 requirement of 50 psi. The latest draft for the next TMS code edition contains this amendment. Additionally, the method of installation prescribed in TMS 602 was developed in the 1950s but is not used today for the installation of adhered veneer.

6. **Specify what criteria this proposal meets.** You may select more than one.

- The amendment is needed to address a critical life/safety need.
- The amendment clarifies the intent or application of the code.
- The amendment is needed to address a specific state policy or statute.
- The amendment is needed for consistency with state or federal regulations.
- The amendment is needed to address a unique character of the state.
- The amendment corrects errors and omissions.

7. **Is there an economic impact:** Yes No

Explain:

If there is an economic impact, use the tool below to estimate the costs and savings of the proposal on construction practices, users and/or the public, the enforcement community, and operation and maintenance. If preferred, you may submit an alternate cost benefit analysis.

Provide your best estimate of the construction cost (or cost savings) of your code change proposal? (See OFM Life Cycle Cost [Analysis tool](#) and [Instructions](#); use these [Inputs](#). **Webinars on the tool can be found [Here](#) and [Here](#)**)

\$[Click here to enter text](#)./square foot (For residential projects, also provide \$[Click here to enter text](#)./dwelling unit)

Show calculations here, and list sources for costs/savings, or attach backup data pages

List any code enforcement time for additional plan review or inspections that your proposal will require, in hours per permit application: None.

Please send your completed proposal to: sbcc@des.wa.gov

All questions must be answered to be considered complete. Incomplete proposals will not be accepted.