

**NC Department of Insurance
Office of the State Fire Marshal - Engineering Division
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Aluminum Alloy as Noncombustible Material

Code: 2018 Building Code

Date: March 20, 2020

Section: 703.5

Question:

Are aluminum alloys considered a noncombustible material?

Answer:

Yes, if the material has been tested by an approved 3rd party testing agency and passes the tests required by Section 703.5. While aluminum and particularly aluminum dust is quite flammable, many aluminum alloy products have been tested and comply with this requirement. This is why you see many permanent canopies that comply with Section 3105.5, item #1 constructed of aluminum alloy materials and aluminum alloy window mullions used in Type I and II Construction.

Keywords:

combustibility