

**NC Department of Insurance
Office of the State Fire Marshal - Engineering Division
1202 Mail Service Center, Raleigh, NC 27699-1202
919-647-0000**

Washed Stone Fill Material

Code: 2018 Residential Code
Section: R506.2.1

Date: January 9, 2020

Question:

Is a compaction test required for #57 or #67 stone used for fill under a concrete slab?

Answer:

No. If the #57 or #67 stone fill does not exceed a depth of 4 feet, a compaction test is not required. The exception in R506.2.1 shown below was approved by the NC Building Code Council on December 10, 2019 with an effective date of January 1, 2021. The use of the exception is, therefore, an approved alternate method.

Code Reference:

R506.2.1 Fill. Fill material shall be free of vegetation and foreign material. The fill shall be compacted to ensure uniform support of the slab, and except where *approved*, the fill depths shall not exceed 24 inches (610 mm) for clean sand or gravel and 8 inches (203 mm) for earth.

Exception: #57 or #67 stone may be used as fill without a compaction test for a maximum depth of 4 feet.

Keywords:

floor