



STATE OF NORTH CAROLINA
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CONCRETE MIX DESIGN NEW NUMBERING SCHEME

Previous mix design identifications have been replaced with a new numbering scheme. The "old" numbering system (2AA-67-43-122) has been replaced due to difficulty distinguishing between two plants using the same aggregates, or between brands of cement and brands of pozzolan. The new numbering scheme incorporates the producer's own mix number and provides immediate identification of concrete class and plant number, supplies codes for air-entrainment and vibration status, and pozzolan use. An example of the new numbering scheme is the following:

1782VO03081BCE

- 178 – The Ready Mix Plant's Certification Number
- 2 – Concrete Class (AA)
- V – Vibrated and Air-entrained
- O – Without Pozzolan
- 03081BC – Producer's Mix Number
- E – English

CONCRETE MIX DESIGN CODES

Class of Concrete

3 = Class AAA
2 = Class AA
R = Class AA, slip-form barrier rail
1 = Class A

B = Class B
M = Class B, curb & gutter machine
D = Drill shaft

S = Class S
T = Pavement
H = High early strength patch mix
F = Flowable fill

P = Prestress
E = Precast
L = Latex modified concrete

Air-Entrainment and Vibration Status

V = Vibrated and air-entrained
N = Non-vibrated and air-entrained
X = Vibrated and non air-entrained
Y = Non-vibrated and non air-entrained

Pozzolan

O = No pozzolan
F = Class F fly ash
C = Class C fly ash
G = Ground granulated blast furnace slag
U = Silica fume