



INDIANA DEPARTMENT OF TRANSPORTATION

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Mike Braun, Governor
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May 22, 2025

TESTING MEMORANDUM 25-01

To: District Testing Staff
Consultant and INDOT Technicians
Ready Mix Concrete Plants

Thru: Jim Reilman, PE
State Materials Engineer *JR*

From: Michael Nelson, PE
Concrete Engineer

RE: Aggregate Correction Factor used in the Determination of Net Air Content of
Concrete per AASHTO T 152

Effective immediately, the determination of the aggregate correction factor for measuring the net air content of concrete per AASHTO T 152 will be based on the absorption of coarse aggregate(s) as shown in the table below. If two coarse aggregates are included in the concrete mix design (CMD) workbook, the combined absorption of the coarse aggregates will be used to determine the aggregate correction factor. The combined absorption of the coarse aggregates will be based on the weighted average as shown in the equation below. An updated CMD workbook is forthcoming that will automatically populate the correction factor based on the mix design properties.

Absorption of Coarse Aggregate, %	Aggregate Correction Factor, %
≤ 4.00	0.0
$4.01 - \leq 4.50$	0.5
> 4.50	1.0

$$\text{Combined absorption for coarse aggregates} = \frac{W_1 \times A_1 + W_2 \times A_2}{W_1 + W_2}$$

where,

W_1 = Weight of coarse aggregate 1

W_2 = Weight of coarse aggregate 2

A_1 = Absorption of coarse aggregate 1

A_2 = Absorption of coarse aggregate 2