

DIFFERENCE BETWEEN IS10262-2009 & IS10262 2019

S.N	IS10262-2009	IS10262-2019
1	2. Reference	
	Whether an admixture shall or shall not be used and the type of admixture and the condition of use.	n) Whether a chemical admixture shall or shall not be used and the type of chemical admixture and the extent of use; p) Whether a mineral admixture shall or shall not be used and the type of mineral admixture and the extent of use; and
2	3.2 Target Strength for Mix Proportioning $f_{ck} = f_{ck} + 1.65 s$	$f'_{ck} = f_{ck} + 1.65 S$ or $f'_{ck} = f_{ck} + X$
3	Calculation of standard deviation not furnished	Calculation of standard deviation furnished.
4	Table 1 Assumed Standard Deviation (Clauses 3.2.1.2, A-3 and B-3)- Only Grades upto M55 is given	Table 2 Assumed Standard Deviation (Clause 4.2.1.3)- Grade of concrete is more than M55 grade say M60 to M80 is furnished.
5	W/C ratio based on Concrete Compressive strength – curves are given	W/C ratio based on Concrete Compressive strength –curves are given with certain modification.
6	5.2 Estimation of Air Content Not explained.	5.2 Estimation of Air Content- Explicatively explained.
7	Selection of Water Content and Admixture Content is not explained.	5.3 Selection of Water Content and Admixture Content
8	Table 3 Volume of Coarse Aggregate per Unit	Table 5 Volume of Coarse Aggregate per Unit Volume

	<p>Volume of Total Aggregate for Different Zones of Fine Aggregate (Clauses 4.4, A-7 and B-7)</p> <p>Different values from IS10262-2019 for aggregate sizes</p>	<p>of Total Aggregate for Different Zones of Fine Aggregate for Water-Cement/Water-Cementitious Materials Ratio of 0.50-</p> <p>Different values from IS10262-2009 for aggregate sizes</p>
9	<p>There is no note about the use of FA with Zone IV for Reinforced concrete.</p>	<p>Note 4: It is recommended that fine aggregate conforming to Grading Zone IV, as per IS 383 shall not be used in reinforced concrete unless tests have been made to ascertain the suitability of proposed mix proportions.</p>
10	<p>Mix design for High strength, Self Compacting Concrete is not possible under the old code.</p>	<p>Mix design for High strength, Self Compacting Concrete is possible under the new code.</p>

Compiled by Er.T.Rangarajan.