

TABLE 1 Grading Requirements for Final Mixtures

Sieve Size (Square Openings)	Design Range ^A (Mass Percentages Passing)		Job Mix Tolerances (Mass Percentages Passing)	
	Bases	Sub-bases	Bases	Sub-bases
50 mm [2 in.]	100	100	−2	−3
37.5 mm [1½ in.]	95 to 100	90 to 100	±5	±5
19.0 mm [¾ in.]	70 to 92	...	±8	...
9.5 mm [⅜ in.]	50 to 70	...	±8	...
4.75 mm (No. 4)	35 to 55	30 to 60	±8	±10
600 µm (No. 30)	12 to 25	...	±5	...
75 µm (No. 200)	0 to 8 ^B	0 to 12 ^B	±3	±5

^A Select the Job Mix Formula with due regard to availability of materials and service requirements of project. Test results outside the design range are not prohibited, provided they are within the job mix tolerances.

^B Determine by wet sieving. Where local environmental conditions (temperature and availability of free moisture) indicate that in order to prevent damage by frost action it is necessary to have lower percentages passing the 75-µm (No. 200) sieve than permitted in **Table 1**, appropriate lower percentages shall be specified. When specified, the material having a diameter smaller than 20 µm shall not exceed 3 mass %.