

1003.09 GRANULAR MATERIAL. Granular material shall be non-plastic siliceous material complying with 1003.01 and the following gradation:

**Table 1003-20
Gradation for Granular Material**

U.S. (Metric) Sieve Size	Percent Passing By Weight (Mass)
1/2 inch (12.5 mm)	100
No. 10 (2.00 mm)	75 - 100
No. 200 (75 µm)	0 - 10

1003.10 BEDDING MATERIAL. Bedding materials shall consist of stone, recycled portland cement concrete, or a mixture of either recycled portland cement concrete, gravel, crushed slag, or stone combined with granular material. Stone shall be from the Approved Materials List.

1003.10.1 Stone or Recycled Portland Cement Concrete: Comply with 1003.03.

1003.10.2 Sand-Aggregate: The sand-aggregate material shall be a natural or artificial mixture of sand and gravel, recycled portland cement concrete, or other approved aggregate listed in this subsection. Material passing the No. 40 (425 µm) sieve shall be non-plastic. The mixture shall be free of foreign matter as determined by visual inspection. Comply with the following gradation prior to placement.

**Table 1003-21
Gradation for Bedding, Sand-Aggregate**

U.S. (Metric) Sieve Size	Percent Passing By Weight (Mass)
1 ½ inches (37.5 mm)	90 - 100
¾ inch (19.0 mm)	70 - 85
⅜ inch (9.5 mm)	40 - 60
No. 4 (4.75 mm)	15 - 40
No. 16 (1.19 mm)	3 - 15
No. 200 (75 µm)	0 - 5

1003.10.3 Mixtures: Mix recycled portland cement concrete, gravel, or stone with 35±5 percent granular material by volume. Verify the mixture quantities by proof of material deliveries.