

1104- AGGREGATES FOR AGGREGATE BASE CONSTRUCTION

SECTION 1104

AGGREGATES FOR AGGREGATE BASE CONSTRUCTION

1104.1 DESCRIPTION

This specification covers aggregates for use in aggregate base construction.

1104.2 REQUIREMENTS

a. Composition.

(1) Type AB-1 or AB-2 may be singularly or any combination of crushed stone, crushed or uncrushed gravel, sand, sand-gravel, or limestone gravel mixed with soil or other qualified binder material.

(2) Type AB-3 is at least 85% limestone or dolomite produced by mechanical crushing.

b. Quality¹.

- Soundness², minimum (KTMR-21) 0.85
- Wear³, maximum (KTMR-25) 50%
- Absorption, maximum (AB-1 only) (KT-6, Procedure I) 4.0%
- Specific Gravity (dry), minimum (KT-6, Procedure I) 2.20

¹Crushed aggregates with less than 10% material retained on the No. 4 sieve (excluding mineral filler supplements) must be produced from a source complying with the official quality requirements of this Section prior to crushing.

²The above requirements for soundness do not apply for aggregates having less than 10% material retained on the No. 4 sieve.

³The above requirements for wear do not apply to aggregates having less than 10% material retained on the No. 8 sieve.

c. Product Control.

(1) Gradation and Plasticity. Provide a uniformly mixed final product that complies with **TABLE 1104-1**.

(2) Deleterious Substances. Provide aggregates that are free from weeds, sticks, grass, roots and other undesirable foreign matter.

d. Stockpiling. Stockpile and handle aggregates in such a manner to prevent detrimental degradation and segregation, the incorporation of appreciable amounts of foreign material, and the intermingling of stockpiled materials.

1104.3 TEST METHODS

Test aggregates according to the applicable provisions of **SECTION 1115**.

TABLE 1104-1: GRADATION AND PLASTICITY OF AGGREGATES FOR AGGREGATE BASE CONSTRUCTION											
Type	% Retained-Square Mesh Sieves									P.I.	Liquid Limit (Max.)
	2"	1 ½"	1"	¾"	3/8"	No. 4	No. 8	No. 40	No. 200		
AB-1	0	0-10		5-40		35-75	54-85	78-95	90-98	0-6	25
AB-2*			0		1-35		25-50	60-75	78-90	1-6	25
AB-3**	0	0-5		5-30		35-60	45-70	60-84	80-92	2-8	30

*The fraction passing the No. 200 sieve shall not exceed 2/3 of the fraction passing the No. 40 sieve.

**The fraction passing the No. 200 sieve shall not exceed 3/4 of the fraction passing the No. 40 sieve.

1104.4 PREQUALIFICATION

Prequalify aggregate sources according to **subsection 1101.4**.

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1104.5 BASIS OF ACCEPTANCE

Aggregates covered by this subsection are accepted based on the procedures described in **subsection 1101.5.**