

**1108 - AGGREGATES FOR COVER MATERIAL**

**SECTION 1108**

**AGGREGATES FOR COVER MATERIAL**

**1108.1 DESCRIPTION**

This specification covers aggregates for cover material to be used for asphalt sealing of the type shown in the Contract Documents for each project.

**1108.2 REQUIREMENTS**

**a. Composition.** Provide sand-gravel, lightweight aggregate, crushed limestone, crushed sandstone, crushed or uncrushed gravel for cover material. Use expanded shale as lightweight aggregate.

**b. Quality Requirements.**

- Soundness, minimum (KTMR-21) ..... 0.90
- Wear, Maximum (AASHTO T 96)
  - Sand-gravel, Gravel or Limestone ..... 40%
  - Sandstone ..... 45%
  - Lightweight aggregate ..... 30%
- Absorption, maximum (KT-6, Procedure I) ..... 4.0%  
(All types except CM-L)

**c. Product Control.**

(1) Size Requirements. Use various size cover material that comply with **TABLE 1108-1**. Determine the gradation factor according to Part V, Section 5.10.5-Fineness Modulus of Aggregates (Gradation Factor).

(2) Deleterious Substances. Do not exceed the following deleterious substances by weight:

- Shale or Shale like material (KT-8) ..... 1.5%
- Clay lumps and friable particles (KT-7) ..... 1.5%
- Coal (AASHTO T-113) ..... 0.5%
- Sticks (wet) (KT-35) ..... 0.1%
- Sum of all deleterious..... 2.0%

**TABLE 1108-1: GRADATION REQUIREMENTS FOR AGGREGATES FOR COVER MATERIAL**

Type	Composition	Percent Retained-Square Mesh Sieves*							Minimum Gradation Factor
		¾"	½"	3/8"	No. 4	No. 8	No. 50	No. 200	
CM-A	Sand-Gravel		0	0-20	30-100	85-100		98-100	
CM-B	Sand-Gravel		0	0-25		35-100	90-100	98-100	4.00
CM-C	Crushed Stone	0	0-12	40-100	95-100			98-100	
CM-D	Crushed Sandstone	0	0-5	15-35	70-100	95-100		98-100	
CM-G	Sand-Gravel, or Crushed Sandstone		0	0-15	45-100	95-100		99-100	
CM-H**	Crushed Stone	0	0-5		40-100	90-100		98-100	
CM-J**	Sand-Gravel	0	1-20			30-100	90-100	96-100	
CM-K	Crushed Limestone	0	0-5	15-35	70-100	95-100		98-100	
CM-L-1	Lightweight Aggregate	0	0	0-10	10-40	85-100		98-100	
CM-L-2	Lightweight Aggregate	0	0-5	0-15	70-100	90-100		98-100	
CM-L-3	Lightweight Aggregate	0-15	0-60	65-100	95-100			98-100	

\*After removal of all deleterious substances.

\*\*Do not specify Types CM-H and CM-J for Federal Aid projects.

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**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.

### **1108.3 TEST METHODS**

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

### **1108.4 PREQUALIFICATION**

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

### **1108.5 BASIS OF ACCEPTANCE**

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