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

<table>
<thead>
<tr>
<th>Type</th>
<th>Composition</th>
<th>Percent Retained-Square Mesh Sieves*</th>
<th>Minimum Gradation Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>¼&quot; ½&quot; 3/8&quot; No. 4 No. 8 No. 50 No. 200</td>
<td></td>
</tr>
<tr>
<td>CM-A</td>
<td>Sand-Gravel</td>
<td>0 0-20 30-100 85-100 98-100</td>
<td></td>
</tr>
<tr>
<td>CM-B</td>
<td>Sand-Gravel</td>
<td>0 0-25 35-100 90-100 98-100</td>
<td>4.0</td>
</tr>
<tr>
<td>CM-C</td>
<td>Crushed Stone</td>
<td>0 0-12 40-100 95-100</td>
<td></td>
</tr>
<tr>
<td>CM-D</td>
<td>Crushed Sandstone</td>
<td>0 0-5 15-35 70-100 95-100</td>
<td></td>
</tr>
<tr>
<td>CM-G</td>
<td>Sand-Gravel, or Crushed Sandstone</td>
<td>0 0-15 45-100 95-100</td>
<td></td>
</tr>
<tr>
<td>CM-H**</td>
<td>Crushed Stone</td>
<td>0 0-5 40-100 90-100 98-100</td>
<td></td>
</tr>
<tr>
<td>CM-J**</td>
<td>Sand-Gravel</td>
<td>0 1-20 30-100 90-100 96-100</td>
<td></td>
</tr>
<tr>
<td>CM-K</td>
<td>Crushed Limestone</td>
<td>0 0-5 15-35 70-100 95-100</td>
<td>98-100</td>
</tr>
<tr>
<td>CM-L-1</td>
<td>Lightweight Aggregate</td>
<td>0 0 0-10 10-40 85-100 98-100</td>
<td></td>
</tr>
<tr>
<td>CM-L-2</td>
<td>Lightweight Aggregate</td>
<td>0 0-5 0-15 70-100 90-100 98-100</td>
<td></td>
</tr>
<tr>
<td>CM-L-3</td>
<td>Lightweight Aggregate</td>
<td>0-15 0-60 65-100 95-100 98-100</td>
<td></td>
</tr>
</tbody>
</table>

*a*After removal of all deleterious substances.

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