



## 3/8" - # 8 (9.5mm-2.36mm) Structural Aggregate

ASTM C330 3/8 - # 8

### Typical Physical Characteristics

|  |              |                       |
|--|--------------|-----------------------|
| 1. Dry loose unit weight                                 | ASTM C29     | 48 lbs/f <sup>3</sup> |
| 2. Bulk specific gravity (SSD)                           | ASTM C127    | 1.60                  |
| 3. Absorption <i>(24 hour submerged, from oven dry)</i>  | ASTM C127    | 6.0%                  |
| 4. Resistance to abrasion <i>(% of wear-weight loss)</i> | ASTM C131-B  | 26.0%                 |
| 5. Soundness of aggregate <i>(magnesium sulfate)</i>     | ASTM C88     | 0.01%                 |
| 6. Soundness of aggregate <i>(freeze and thaw)</i>       | AASHTO T-103 | 0.22%                 |
| 7. Loss of ignition (%)                                  | ASTM C114    | No Loss               |
| 8. Organic materials content                             | ASTM C40     | None                  |
| 9. Popouts   | ASTM C151    | None                  |
| 10. Clay lumps   | ASTM C142    | None                  |



**1/2" - # 4 (12.5mm-4.75mm) Structural Aggregate**  
 ASTM C330 1/2 - # 4

**Typical Physical Characteristics**

|  |              |                       |
|--|--------------|-----------------------|
| 1. Dry loose unit weight                                 | ASTM C29     | 46 lbs/f <sup>3</sup> |
| 2. Bulk specific gravity (SSD)                           | ASTM C127    | 1.52                  |
| 3. Absorption <i>(24 hour submerged, from oven dry)</i>  | ASTM C127    | 6.0%                  |
| 4. Resistance to abrasion <i>(% of wear-weight loss)</i> | ASTM C131-B  | 26.0%                 |
| 5. Soundness of aggregate <i>(magnesium sulfate)</i>     | ASTM C88     | 0.01%                 |
| 6. Soundness of aggregate <i>(freeze and thaw)</i>       | AASHTO T-103 | 0.22%                 |
| 7. Loss of ignition (%)                                  | ASTM C114    | None                  |
| 8. Organic materials content                             | ASTM C40     | None                  |
| 9. Popouts   | ASTM C151    | None                  |
| 10. Clay lumps   | ASTM C142    | None                  |



## 3/4" - # 4 (19mm-4.75mm) Structural Aggregate

ASTM C330 3/4 - # 4

### Typical Physical Characteristics

|  |              |                       |
|--|--------------|-----------------------|
| 1. Dry loose unit weight                                 | ASTM C29     | 46 lbs/f <sup>3</sup> |
| 2. Bulk specific gravity (SSD)                           | ASTM C127    | 1.50                  |
| 3. Absorption <i>(24 hour submerged, from oven dry)</i>  | ASTM C127    | 6.0%                  |
| 4. Resistance to abrasion <i>(% of wear-weight loss)</i> | ASTM C131-B  | 26.0%                 |
| 5. Soundness of aggregate <i>(magnesium sulfate)</i>     | ASTM C88     | 0.01%                 |
| 6. Soundness of aggregate <i>(freeze and thaw)</i>       | AASHTO T-103 | 0.22%                 |
| 7. Loss of ignition (%)                                  | ASTM C114    | None                  |
| 8. Organic materials content                             | ASTM C40     | None                  |
| 9. Popouts   | ASTM C151    | None                  |
| 10. Clay lumps   | ASTM C142    | None                  |
| 11. Maximum dry density                                  | ASTM D698    | 65 lbs/f <sup>3</sup> |
| 12. Angle of internal friction                           |              | Not less than 40°     |



**Fines- # 8 (9.5mm-2.36mm) Structural Aggregate**  
 ASTM C330 Fines - # 8

**Typical Physical Characteristics**

|  |              |                       |
|--|--------------|-----------------------|
| 1. Dry loose unit weight                                 | ASTM C29     | 48 lbs/f <sup>3</sup> |
| 2. Bulk specific gravity (SSD)                           | ASTM C127    | 1.60                  |
| 3. Absorption <i>(24 hour submerged, from oven dry)</i>  | ASTM C127    | 6.0%                  |
| 4. Resistance to abrasion <i>(% of wear-weight loss)</i> | ASTM C131-B  | 26.0%                 |
| 5. Soundness of aggregate <i>(magnesium sulfate)</i>     | ASTM C88     | 0.01%                 |
| 6. Soundness of aggregate <i>(freeze and thaw)</i>       | AASHTO T-103 | 0.22%                 |
| 7. Loss of ignition (%)                                  | ASTM C114    | No Loss               |
| 8. Organic materials content                             | ASTM C40     | None                  |
| 9. Popouts   | ASTM C151    | None                  |
| 10. Clay lumps   | ASTM C142    | None                  |