

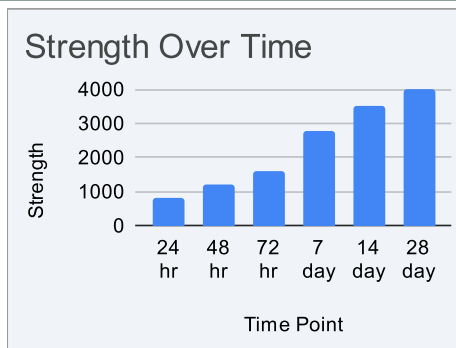
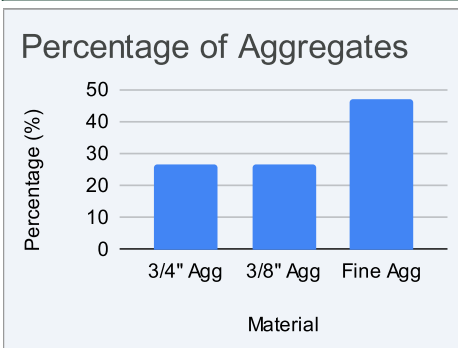


| Dispatch               | Email:                     | Strength       | T <sub>r</sub> | Designed By:          |
|------------------------|----------------------------|----------------|----------------|-----------------------|
| (971) 219-8604         | billing@volumeconcrete.com | 4,000 psi      |                | Ben Weber - Ash Grove |
| www.volumeconcrete.com |                            | Estacada Plant |                | 9/18/2025             |

| Material:        | Source:                  | Spec Gravity | Weight lbs. | # | Volume (ft <sup>3</sup> ) |
|------------------|--------------------------|--------------|-------------|---|---------------------------|
| Type II Cement   | Durkee, Oregon Ash Grove | 3.12         | 620         |   | 3.20                      |
| Water            | Municipal Well Source    | 1            | 286         |   | 4.59                      |
| 3/4" Agg         | Estacada Pit             | 2.87         | 782         |   | 4.37                      |
| 3/8" Agg         | Estacada Pit             | 2.65         | 782         |   | 4.73                      |
| Fine Agg         | Estacada Pit             | 2.52         | 1378        |   | 8.77                      |
| Air Entrainment  | % ± 1.5                  | 5            |             |   | 1.35                      |
| <b>Total Mix</b> |                          |              | <b>3848</b> |   | <b>27.00</b>              |

| Product         | Product Name / Type Dosage | Dosage (English)        | Plastic Properties    |
|-----------------|----------------------------|-------------------------|-----------------------|
| Air Entrainment | Euclid AEA 92S             | 4.0 oz/cv** (oz/cwt**)  | Unit Weight: 142.52   |
| Water Reducer   | Euclid Econ WR91           | 28.0 oz/cv** (oz/cwt**) | Slump - inches: 5 ± 1 |
| Slump Extender  | Eucon Stasis               | 0.0 oz/cv** (oz/cwt**)  | W/C Ratio: 0.46       |
| Micro Fibers    | PSI Fiberstrand 150        | 0.0 lb/cv**             |                       |

| Aggregate      | SG   | % | Abs   | FM  | Dry Rodded Unit Wt |
|----------------|------|---|-------|-----|--------------------|
| 3/4"-#4        | 2.87 |   | 3.10% | n/a | 104.5 pcf          |
| 3/8" #4        | 2.65 |   | 3.80% | n/a | 99.0 pcf           |
| Fine Aggregate | 2.52 |   | 6.00% | 2.9 | n/a                |



**This mix design will exceed the required laboratory strength when slump is 6" or less.**

At Volume Concrete LLC, our ready-mix concrete products for residential, commercial, and infrastructure projects in the Greater Portland Metro area are designed and produced to meet high-quality standards, formulated in accordance with industry guidelines including ACI 301 (Specifications for Structural Concrete) for materials, proportions, and performance ensuring workability, strength, and durability; ACI 211.1 (Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete) for ingredient proportioning to achieve properties like slump, air content, and compressive strength; ASTM C94 (Standard Specification for Ready-Mixed Concrete) for manufacturing, testing, and delivery consistency; ASTM C31 (Standard Practice for Making and Curing Concrete Test Specimens in the Field) for testing procedures with temperature controls; and additional standards like ACI 318 for code compliance and ASTM C1602 for mixing water quality, maintaining best practices for aggregate size, water-cement ratios, and admixture use. While engineered for standard conditions, actual results may vary due to site factors like temperature, humidity, and substrate preparation; handling, placement, finishing, and curing by contractors; or post-delivery modifications, and we provide no express or implied warranties for final performance, color consistency, or long-term durability once concrete leaves our facility—we recommend consulting a qualified engineer or testing lab for project-specific needs and field trials. Fresh concrete may cause severe skin burns, eye damage, allergic reactions, and respiratory irritation from its alkaline nature and silica content; always use PPE such as gloves, eye protection, and respirators, avoid skin contact, ensure ventilation, and refer to our Safety Data Sheets (SDS) for details. This disclaimer is for informational purposes only and does not constitute legal advice; contact us at [volumeconcrete.com](https://volumeconcrete.com) for mix design questions or custom formulations. <https://volumeconcrete.com/about/policies/>