

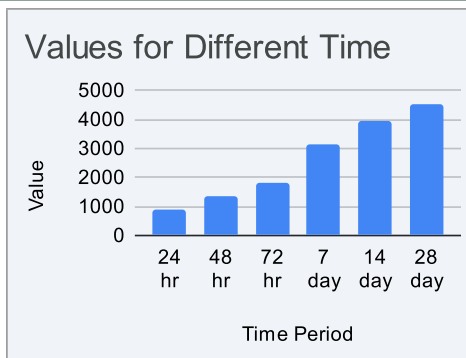
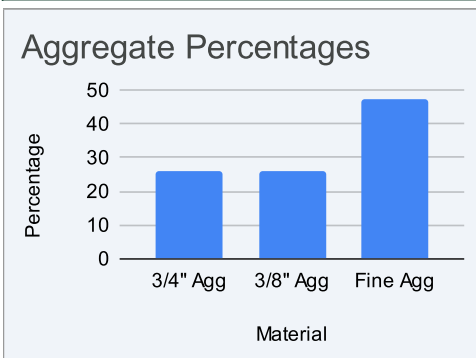


Dispatch	Email:	Strength	Tr	Designed By:
(971) 219-8604	billing@volumeconcrete.com	4.500 psi		Ben Weber - Ash Grove
www.volumeconcrete.com		Estacada Plant		9/18/2025

Material:	Source:	Spec Gravity	Weight lbs.	#	Volume (ft3)
Type II Cement	Durkee, Oregon Ash Grove	3.12	670		3.45
Water	Municipal Well Source	1	286		4.59
3/4" Agg	Estacada Pit	2.87	760		4.25
3/8" Agg	Estacada Pit	2.65	760		4.60
Fine Agg	Estacada Pit	2.52	1378		8.77
Air Entrainment	% ± 1.5	5			1.35
Total Mix			3854		27.00

Product	Product Name / Type Dosage	Dosage (English)	Plastic Properties
Air Entrainment	Euclid AEA 92S	4.2 oz/cv** (oz/cwt**)	Unit Weight: 142.74
Water Reducer	Euclid Econ WR91	29.0 oz/cv** (oz/cwt**)	Slump - inches: 5 ± 1
Slump Extender	Eucon Stasis	0.0 oz/cv** (oz/cwt**)	W/C Ratio: 0.43
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 for mix design questions or custom formulations. <https://volumeconcrete.com/about/policies/>