CITY OF PORTLAND
MATERIALS TESTING LAB
1405 N. River St., Portland, OR 97227

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503-823-2340

Approved Concrete Mix Designs

Sep 1, 2026

Concrete Supplier	Mix Class-Agg-Plant	Supplier ID	Air	Slump	Design W/C	Binder	*GWP (kgCO2eq/yd³)	Approved Use	Date
CalPortland	3000 psi - 1" - [1] [2] [3]	0226FS	5.5%	4"	0.57	470# 20% Slag	184 - 194	Commercial Grade Concrete (00440)	Nov-24
Front Ave = [1]	3000 psi - 1" - [1] [2] [3]	0234FSLC	5.5%	4"	0.50	530# 41% Slag	195 - 199	Commercial Grade Concrete (00440)	Nov-24
Troutdale = [2]	3000 psi - 1" - [1] [2] [3]	0739LC2	5.5%	4"	0.48	573# 56% Slag	195 - 199	Commercial Grade Concrete (00440)	Nov-24
West Vancouver = [3]	4000 psi - 1" - [1] [2] [3]	0242FSLC	4.5%	4"	0.46	578# 20% Slag	231 - 242	Structural Concrete (00540)	Nov-24
	4000 psi - 1" - [1]	7730FSLC	4.5%	1.5"	0.45	570# 32% Slag	200	Commercial Grade Concrete (00440)	Oct-25
	4000 psi - 1" - [1]	5446FS	5.0%	6"	0.45	600# 20% Slag	238	Structural Concrete (00540)	Jul-25
	4000 psi - 1" - [1]	0598FS	5.0%	5"	0.42	630# 25% Slag	235	Structural Concrete (00540)	Jul-25
	4000 psi - 1" - [1]	5597FS	1.5%	6"	0.42	630# 25% Slag	237	Structural Concrete - Interior/Underground (00540)	Jan-26
	4000 psi - 1" - [1]	5598FS	5.0%	6"	0.42	630# 25% Slag	237	Structural Concrete (00540)	Jul-25
	4000 psi - 1 1/2" - [1] [2] [3]	0622CRLC	4.5%	4"	0.44	611# 30% Slag	235 - 242	Plain Concrete Pavement (00756) & Structural Concrete (005	Nov-24
	4500 psi - 1" - [2]	5344FS	4.5%	7"	0.42	626# 30% Slag	230	Structural Concrete (00540)	Oct-24
	4500 psi - 1" - [2]	5344FSE	4.5%	7"	0.42	626# 30% Slag	237	Structural Concrete (00540)	Oct-24
	5000 psi - Shotcrete - [1]	0876	6%	3"	0.40	752# Cmt	352	Shotcrete Slope Stabilization (00396)	Oct-25
	100 psi - CLSM - [1] [2] [3]	0570	8%	7"	2.79	188# Cmt	91 - 102	Controlled Low Strength Materials (00442)	Nov-24
Cascade Concrete Products	6000 psi - 1/2"	Mix No. 1	2.0%	0"	0.37	600# Cmt	No EPD/GWP required.	Precast Maintenance Holes, Bases, and Pipe (00470)	Aug-22
	6000 psi - 1/2"	Mix No. 8	2.0%	27" Spread	0.41	850# Cmt	No EPD/GWP required.	Precast Maintenance Holes, Bases, and Pipe (00470)	Mar-22
Heidelberg Materials	3300 psi - 1" - [1]	1317406EB	5.5%	4"	0.59	469# 30% Slag	163	Commercial Grade Concrete (00440)	Jan-25
Port of Portland = [1]	4000 psi - 3/4" - [1]	2318207	5.5%	4"	0.51	564# 30% Slag	165	Commercial Grade Concrete (00440)	Jun-23
	4000 psi - 3/4" - [1]	1318207EB	5.5%	4"	0.50	564# 30% Slag	164	Commercial Grade Concrete (00440)	Jan-25
	4000 psi - 1" - [1]	1318376EB	5.5%	4"	0.59	611# 15% Slag	199	Commercial Grade Concrete (00440)	Jan-25
	4000 psi - 1" - [1]	1319001EB	5.5%	4"	0.50	564# 30% Slag	165	Commercial Grade Concrete (00440)	Jan-25
	4000 psi - 1" - [1]	2319001	5.5%	4"	0.51	564# 30% Slag	166	Commercial Grade Concrete (00440)	Jun-23
	5000 psi - 1" - [1]	1575361	5.0%	7"	0.38	650# 15% Slag	228	Structural Concrete (00540)	Mar-26
	100 psi - CLSM - [1]	1547602	10%	8"	2.22	200# Cmt	93	Controlled Low Strength Materials (00442)	Nov-24
Knife River Sand & Gravel	3000 psi - 3/4" - [1]	246KPG7000	5.0%	4"	0.48	564# Cmt	194	Structural (00540) & Commercial Grade Concrete (00440)	Mar-24
Linnton = [1]	4000 psi - 5/8" - [2]	246KCG30000L	5.5%	2"	0.44	564# Cmt	192	Commercial Grade Concrete (00440)	Apr-26
Coffee Lake = [2]	5000 psi - 3/4" - [1]	245INIKOS9V	5.0%	6"	0.35	695# Cmt	246	Structural Concrete (00540)	Mar-24
Oldcastle Infrastructure	5000 psi - 1/2"	Mix #1-DC-4000-STD	5.0%	0"	0.34	600# Cmt	No EPD/GWP required.	Precast Maintenance Holes, Bases, and Pipe (00470)	Oct-23
	5000 psi - 1/2"	Mix #5-SCC-6000-COP-TYPI	5.5%	27" Spread	0.38	752# Cmt	No EPD/GWP required.	Precast Maintenance Holes, Bases, and Pipe (00470)	Apr-25
Wilsonville Concrete Products	3000 psi - 3/4" - [1]	3001A2050	5.0%	4"	0.55	470# 20% Slag	164	Commercial Grade Concrete (00440)	Sep-25
Wilsonville = [1]	3500 psi - 3/4" - [1]	3516A2055	5.0%	4"	0.51	517# 20% Slag	189	Commercial Grade Concrete (00440)	Sep-25
	4000 psi - 3/4" - [1]	4001A2070	5.0%	4"	0.40	657# 20% Slag	236	Structural Concrete (00540)	Sep-25
	4000 psi - 3/4" - [1]	4001V2070	6.0%	4"	0.39	666# 20% Slag	227	Structural Concrete (00540)	Dec-25

This list does not waive the responsibility of the contractor to provide quality control testing as outlined in the appropriate sections of the City Standard Specifications.

If a mix design is not on the list, that doesn't mean it cannot be used. It means a written submittal to project management for evaluation is required.

If a mix design is removed from the list after project approval, the mix design may continued to be used unless project management says otherwise.

*GWP refers to the Global Warming Potential from the Environmental Product Declaration. Results vary by plant location - see EPD for details.

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Mix Designs Approved for Small Quantity (less than 50yd³ per project)

Sep 1, 2026

Concrete Supplier	Mix Class-Agg	Supplier ID	Air	Slump	Design W/C	Binder	*GWP (kgCO2eq/yd³)	Approved Use	Date
Jakes Mobile Mix	4000 psi - 3/4"	6 Sack 4000psi	5.5%	4"	0.60	583# Cmt	No EPD/GWP submitted.	Commercial Grade Concrete (00440)	Jan-19
Lake Shore Concrete Co.	3500 psi - 3/4"	35.101	5.0%	4"	0.44	564# Cmt	No EPD/GWP submitted.	Commercial Grade Concrete (00440)	Jul-19
Oregon On-Site Concrete, LLC	3000 psi - 3/4"	PDX 3000	5.0%	5"	0.52	450# Cmt	No EPD/GWP submitted.	Commercial Grade Concrete (00440)	Mar-21
	4000 psi - 3/4"	PDX 4000	4.5%	5"	0.48	550# Cmt	No EPD/GWP submitted.	Commercial Grade Concrete (00440)	Nov-20
Tual. Valley Short Load (SLC)	4000 psi - 3/4"	Structural 4000	5.0%	4"	0.45	560# Cmt	No EPD/GWP submitted.	Structural (00540) & Commercial Grade Concrete (00440)	May-14
Volume Concrete	3000 psi - 3/4"	LP3000	5.0%	5"	0.61	500# Cmt	No EPD/GWP submitted.	Commercial Grade Concrete (00440)	Jan-24
	3500 psi - 3/4"	LP3500	5.0%	5"	0.58	550# Cmt	No EPD/GWP submitted.	Commercial Grade Concrete (00440)	Jan-24
	4000 psi - 3/4"	4000 7 Sack	5.5%	5"	0.37	658# Cmt	No EPD/GWP submitted.	Commercial Grade Concrete (00440)	Jan-20
	4500 psi - 3/4"	4500 7.5 Sack	5.5%	5"	0.37	705# Cmt	No EPD/GWP submitted.	Commercial Grade Concrete (00440)	Jan-20
	5000 psi - 3/4"	5000 8.5 Sack	5.5%	5"	0.37	798# Cmt	No EPD/GWP submitted.	Commercial Grade Concrete (00440)	Jan-20

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