

Ultra-High Strength Concrete

Description: Basalite Ultra High Strength Concrete is an ASTM C 387 Pre-Blended Packaged High Strength Concrete. All Basalite Concrete is designed to provide enhanced workability and is suitable for all new construction and concrete repair applications.

Basalite Concrete is manufactured with ASTM C 595 Type 1L Portland Limestone Cement and ASTM C 33 "Normal Weight" aggregates.

Uses: Basalite Concrete is recommended for the construction or repair of foundations, floors, retaining walls, sidewalks, patio slabs, driveways, setting posts and wherever concrete is desired in more than 2-inch-thick applications.

Technical Data: The data listed below is a representation of typical values achieved under controlled laboratory conditions when tested according to ASTM C 387. Actual results obtained in the field may vary.

	<u>C 387 Req.</u>	<u>Actual</u>
Slump	2-3 Inches	2.25 Inches
7 Day Strength	2,500 psi	5,260 psi
28 Day Strength	3,500 psi	8,020 psi
Unit Weight	N/A	149.1 PCF
Air Content	N/A	2.5%
	<u>60lb.</u>	
Water Addition <i>(Recommended Per Bag)</i>	0.6 Gal	*1-60lb. Bag mixed with 8.2% water (2.25" slump) will yield approximately 0.016 CU YD.
Yield	0.45 Cu Ft.	

Mixing Tips:

Follow the appropriate guidelines for concrete finishing and concrete construction established by the International Building Code and the American Concrete Institute.

Use only clean, potable water for mixing

Use only enough water to achieve a workable consistency that is easily placed and finished. Over watering a concrete mix will severely decrease the compressive strength and negatively impact the finishing characteristics of the mix.

Not intended for use in temperatures less than 40 degrees or greater than 90 degrees. Special considerations should be made for "hot" or "cold" weather construction.

LEED Information:

Provided the jobsite is within 500 miles of Dupont Washington, a portion of Basalite Concrete will qualify for LEED Credit 5.1 and 5.2 for regional materials.

Regional Materials

(By Weight)

85.0%

Safety Precautions:

Basalite Concrete contains Portland Cement. Normal safety wear used to handle conventional cement-based products such as rubber gloves, dust mask and safety glasses should be worn. Material Safety Data Sheets are available upon request.