



BIGBOSS CEMENT INC.

28 Madison St., Brgy. Barangka Ilaya, Mandaluyong City 1550
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Technical Data Sheet

BIGBOSS PORTLAND BLENDED CEMENT with G-ASH™ (Type 1P B40 & B43)

I. PRODUCT NAME

- BIGBOSS Blended Cement

II. MANUFACTURER

BIGBOSS Cement Inc.

National road, Barangay Mancatian, Porac, Pampanga Philippines, 2008

Phone: 7-717-1609

Email: info@bigbosscement.com

Web: www.bigbosscement.com

III. PRODUCT DESCRIPTION

Portland-blended cement is a uniform mix of Ordinary Portland Cement (OPC) and blending materials. The blended cement can improve workability, strength, durability and chemical resistance of concrete.

The enhanced properties obtained from blending with different materials are:

1. Improved workability and pumpability
2. Reduced water demand
3. Enhanced bleed control
4. Lower shrinkage and creep
5. Improved resistance to sulphate attack and chloride penetration
6. Reduced potential for Alkali Aggregate Reaction
7. Increased strength and durability over time; high ultimate strength

IV. USES AND APPLICATION

1. Domestic construction: mortar, plaster, floor screed
2. Major engineering projects; pumped cement, shotcrete
3. Pre-cast concrete where high durability and off-form finish are required
4. Stabilization including pavement recycling for road construction
5. Mining applications
6. Specialist formulas such as ceramic tile adhesives (CTA), renders, mortars and grouts
7. Ready-Mix Concrete (RMC) for roads pavements, bridges, foundations, columns and slabs
8. High Early strength*

*Guaranteed 40MPa & *43MPa compressive strength at 28 days.*

V. COMPOSITION AND MATERIALS

BIGBOSS Blended Cement is a mixture of Portland Cements. and G-ASH™. These components are proportioned at the cement plant under controlled conditions to assure product consistency.

VI. TYPES OF BIGBOSS PORTLAND - BLENDED CEMENT

1. **BIGBOSS Cement Type 1P B40**
2. **BIGBOSS Cement Type 1P B43**

Properties:

- Gray color
- Consistent strength which conforms PNS 63:2006

Big Boss	Compressive Strength ASTM C109 (Mpa)		
	3 Days	7 days	28 days
B40	28	32	40
B43	29	34	43

Applicable standards

Standard specification for Blended Hydraulic Cements, ASTM C595 / 595M – 20.

Water

Standard Specification for Blended Hydraulic Cements All water should be clean and free from organic material and deleterious amounts of dissolved acids, alkalis and salts.

VII. LIMITATIONS

There are several variables that may affect concrete performance beyond the control of the cement manufacturer. To achieve desired performance, good concreting practices are required.

VIII. PRECAUTIONS

Freshly mixed cement, mortar, grout or concrete may cause minor skin irritations. Avoid direct contact with skin and eyes and if contacted, wash exposed areas promptly with water. Refer to the applicable BIGBOSS Cement product MSDS prior to use which may be obtained by calling (+63277171609).

IX. TECHNICAL SERVICES

BIGBOSS Cement Inc. personnel are available to provide technical assistance by contacting (+63277171609).

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