



## BIGBOSS CEMENT INC.

18F, Units 1804-1805, The Podium West Tower, 12 ADB Avenue,  
Ortigas Center, Mandaluyong 1550  
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# Technical Data Sheet

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

### 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](mailto:info@bigbosscement.com)

Web: [www.bigbosscement.com](http://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

### 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.

### 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** | Ordinary Portland Cement mixed with Pozzolan
2. **BIGBOSS Cement Type P** | Ordinary Cement with activated mineral

**Properties:**

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

Big Boss	Compressive Strength ASTM C109 (Mpa)	
	7 days	28 days
Type 1P	23	34
Type P	16	25

**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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