



## Nanhai Chemical & Equipment (HK) Co. 南海设备化工（香港）公司

WhatsApp/Tel. 852-90306536

[info@nanhaichemical.com](mailto:info@nanhaichemical.com) [nanhaichemical.com](http://nanhaichemical.com)

4/F, Weswick Commercial Building, 147-151 Queen's Road East, Hong Kong

### Early Strength Additive for Cementing NHESG 204

#### Product Description

NHESG 204 can stabilize and strengthen low density cement slurry through bridging and changing concentration of ion in cement slurry.

#### Characteristics

- Normal dosage: 1.0%~5.0% (BWOC).
- Suitable temperature: 30 – 90 C (BHCT).
- Can decrease free fluid and volume contraction in low density cement slurry, stabilize and enhance the strength.
- Obvious effects of early strength. The strength of cement is more than 6MPa after 24 hours.
- Can be used in ultra low density cement slurry systems (at less than 1.20g/cm<sup>3</sup>).
- Suitable for low density cement slurry of fly ash, normal oil well cement, and low density cement slurry of glass micro-spheres.
- Mixed without water.

#### Technical Specification

- |  |          |
|--|----------|
| • Appearance   | powder   |
| • Initial consistency, Bc                            | ≤30      |
| • thickening time, min/122 F, 20MPa, 26min           | ≥150     |
| • Compression strength, MPa/122 F, Ordinary pressure | >6 (24h) |
| • Compression strength, MPa/122 F, Ordinary pressure | >8 (48h) |

Test conditions: G class cement: micro-spheres=100:10(m/m), W/C (water to cement): 0.70, Dosage of G204:2.0% (BWOC), Water quality: distilled water.

#### Packing, Storage

- Packed with three-layer plastics bag, 25kg per bag.
- Its lifetime is two years. Its lifetime is two years.

## **Early Strength Additive for Cementing NHESG 209**

### **Product Description**

NHESG209 can change ion concentration in cement hydrate to accelerate the acting of  $C_3S$ 、 $C_3A$  and forming of calcium aluminous stone. So, it can densify the structure and enhance early strength.

### **Characteristics**

- Normal dosage: 1.5%—4.0% ( BWOC )
- Applicable temperature: 28 – 110 C BHCT ) °
- Be applicable to general and low-density cement.
- Be applicable to fly ash low density cement , normal oil cement and floating bead low density cement slurry system.
- Mixed with or without water.

### **Technical Specification**

- |   |                     |
|---|---------------------|
| • Appearance  | earth-yellow powder |
| • Initial consistency , Bc                            | < 30                |
| • Thickening time: min/86°F , Normal pressure. 15 min | < Base slurry       |
| •   | 8h                  |
| • Compression strength, MPa/86 °F , Normal            | ≥5                  |
|   | 24h                 |
|   | ≥12                 |

The ingredients of cement slurry in the table are: JiaHua G class cement, W/C : 0.44, Water quality: distilled water,  
Dosage: 2.0% ( BWOC ) .

### **Packing, Storage**

- Packed in three-layer plastics bags with 25kg per bag
- Stored in cool and dry situation.
- Storage lifetime is one year.