

# Product Information

## FOAMEND® Series : Powder Antifoam (CP-700)

### 1. Introduction

CP-700 is designed liquid hydrocarbon and surfactant on an in organic carrier.  
This product can be added and blended with all component of dry mix fomulation.

### 2. Product List

| Product Name | Composition(a) | Appearance(b) | Active Contents | Ionic Activity(c) | Specific Gravity | pH(d) [25℃] | Suitable Diluent(d) |
|--------------|----------------|---------------|-----------------|-------------------|------------------|-------------|---------------------|
| CP-700       | HC             | WGP           | -               | NI/A              | 0.35 ± 0.05      | 10 ± 1/A    | Water               |

(a) HC = Hydrocarbon Complex (b) WGP = White Granule Powder (c) NI/A = Nonionic / 1% Aqua-Solution  
(d) /A = / 1% Aqua-Solution

### 3. Product Description

#### FOAMEND® CP-700

FOAMEND® CP-700 is an antifoam for concrete mortar

#### Features :

- High durability and quick defoaming performance
- Dispersible in water
- Improvement in leveling

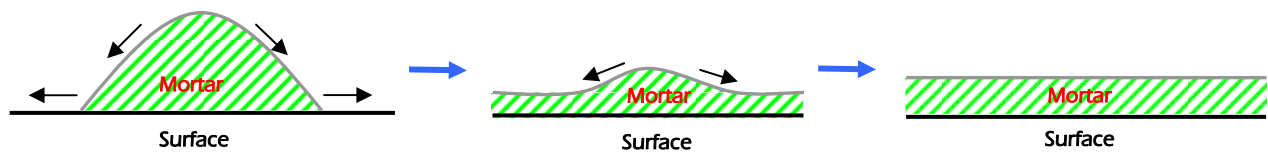
#### Application :

- Concrete mortar
- Dry blended materials

### 4. Antifoam test for Concrete mortar

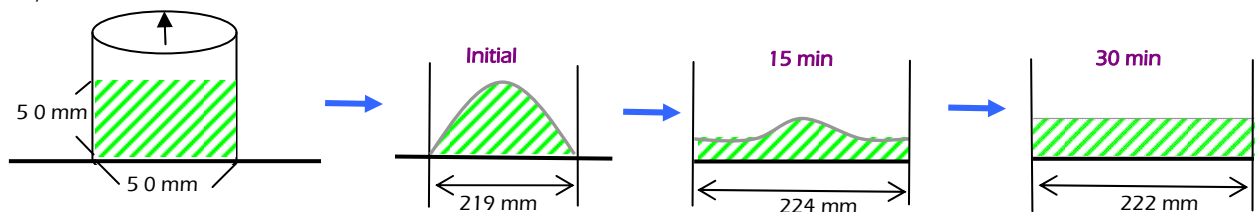
#### 4.1 Improvement of leveling

##### 4.1.1 Self leveling principal



##### 4.1.2 CP-700 Test

###### a) Test Method



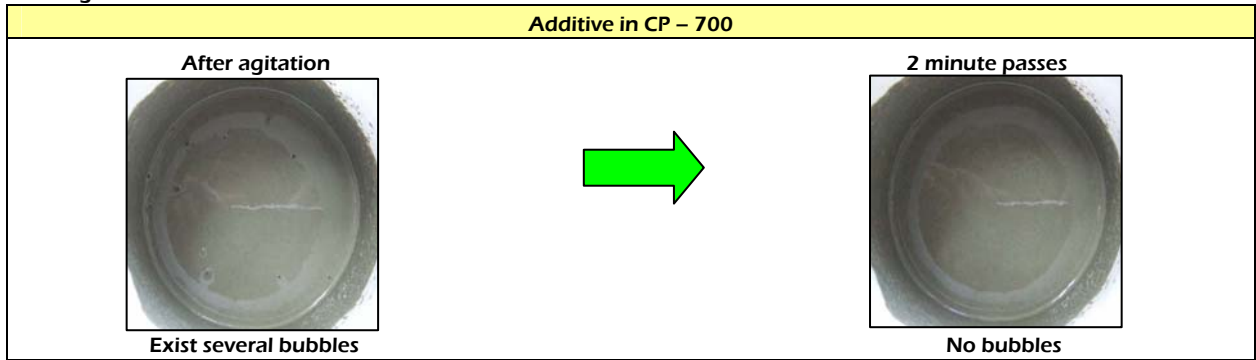
###### b) Result

|         | Flow(mm) |        |        | Flow loss(%) |       | Pot life |        | Weight  |
|---------|----------|--------|--------|--------------|-------|----------|--------|---------|
|         | Initial  | 15 min | 30 min | 15 min       | 30min | 1 coat   | 2coat  |         |
| CP-700D | 219      | 224    | 222    | 102          | 101   | 11~12'   | 25~26' | 2,029 g |

( Conditions : Test temperature Room Tem.(25℃/74℃) , Water Tem.(23℃) )

#### 4.2 Powder antifoam test (CP – 700)

##### 4.2.1 After agitation in concrete mortar and bubble condition of surface



- 1) The quantity of CP-700 : 0.15%    2) Agitation speed : 1000 rpm

##### 4.2.2 After agitation in concrete mortar and airspace test

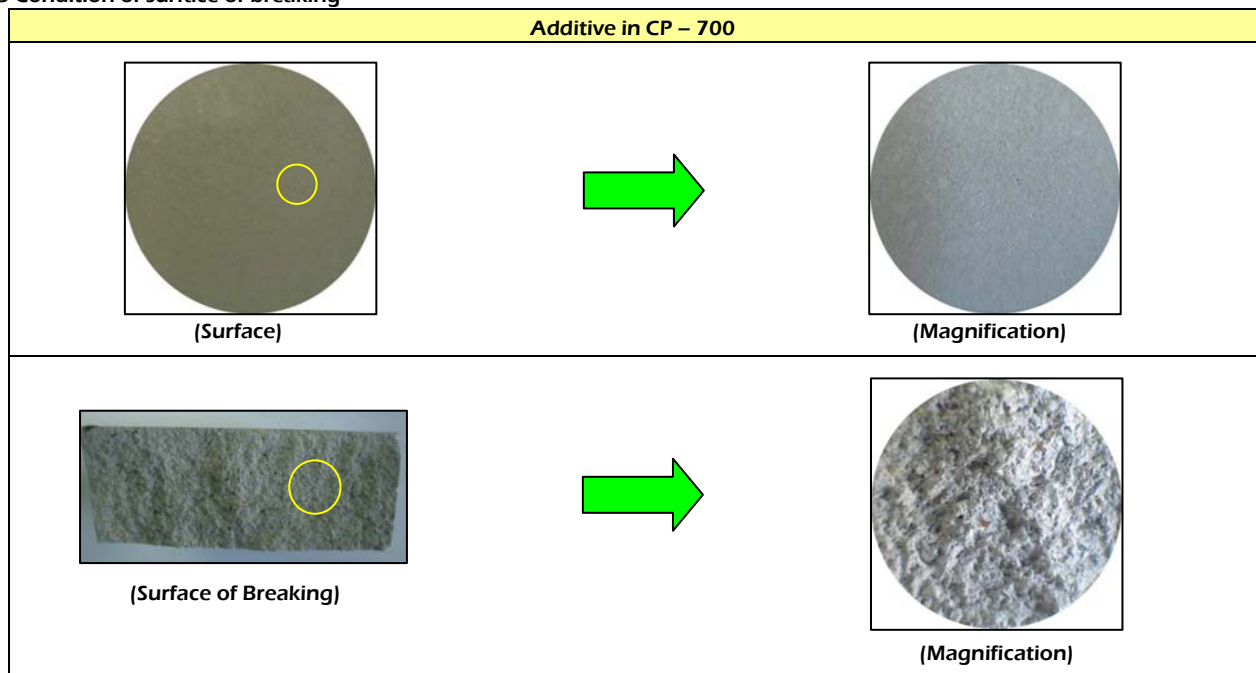
- 1) Measurement : Mortar Air Test of Woo-jin precision  
 2) Test method : KS F 2142 Test

**Result:** When CP-700 is added, air amount is decreased remarkably.

|          | Air amount Of Initial | Reagitation(After 15 minute) |
|----------|-----------------------|------------------------------|
| Blank    | 5.5 %                 | 5.8 %                        |
| CP - 700 | 1.2 %                 | 1.5 %                        |



##### 4.2.3 Condition of surface of breaking



### 5. Additional Information

**Company**

Cheongsan Chemical co., ltd

**Contact**

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**Stoage**

This product should be stored in a cool dry place.

**Packing**

This product is available in 8kg bag and 70kg drum, net weight.

**Attention**

Keep container tightly closing a lid after using