

# Conplast SP337

## Superplasticizer Admixture

### Uses

Conplast SP337 creates performance water reducing admixture for concrete. it is designed for use in:

- Ready mixed concrete
- Precast concrete

### Advantages

- Increases Compressive strength due water content reduction, compared with normal concrete without admixture
- Improves workability
- Improved ease of placing
- Allows concreting in hot weather
- Higher density, hence improved durability

### Standards Compliance

Conplast SP337 complies with the requirements of ASTM C494, Type A & Type F.

### Description

Conplast SP337 is a liquid .When added to the fresh concrete mix design during mixing, Conplast SP337 will break down the agglomerates of cement particles, make the cement dispersed, and release trapped water. This enables the mix water to perform more efficiently.

Conplast SP337 delays the initial hydration of the cement resulting in retardation of setting time. Once the concrete has undergone initial set. The hardening process continues normally.

### Technical Support

Fosroc provides a technical advisory service for on-site assistance and advice on admixture selection, evaluation trials and dispensing equipment.

### Properties

**Specific Gravity:** 1.15 – 1.17 at 25 +/- 2 °C

**Density / durability :** Increases density of Concrete giving improved durability and resistance to water penetration.

**Cohesion :** Improved dispersion of cement particles, increases cohesion and reduces the possibility of segregation.

**Compatibility :** Compatible with other Fosroc Conplast series admixture but it is recommended that all admixture should be added to concrete separately.

Compatible with all types of Portland cement, and with latent hydraulic binders such as PFA and Ground Slag.

**Not Compatible with PC admixture.**

### Application Instructions

#### Dosage

Conplast RP337 will normally be added at dosage 0.5 – 2% cement / cementitious content, depending on workability required.

Optimum dosage should be determined by site trials.

#### Dispensing

Conplast SP337 should be added directly to the mixer by means of a recommended dispenser at the same time as the mixing water. The company's technical department should be consulted regarding suitable equipment and its installation.

#### Overdosing

Above the recommended dosage of Conplast SP337 could result in too high slump and also can cause segregation of fresh concrete.

#### Curing

Normal curing methods should be used, such as water spray, wet hessian, or the use of a FOSROC curing membrane, like CONCURE PI.

#### Cleaning

Spillage of Conplast SP337 can be cleaned with water.

#### Estimating

Conplast SP337 is supplied in 210 L and 1000 L.

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constructive solutions

## Storage

Shelf life is 12 months under normal storage conditions with storage temperature between 20°C - 35°C in original packing.

Should the material become frozen, it must be completely thawed and thoroughly mixed before used.

## Precautions

## Health and Safety

Conplast SP337 is irritant. Any splashes to the eyes should be washed immediately with water and medical advice should be sought. Safety Data Sheet is provided separately.

## Fire

Conplast SP337 is non-flammable.

## Spillages

Can be removed with water, then wipe with rag.

## Additional information

Technical data and guidance can be provided on other wide range of admixtures and Concreting aids including Accelerators, Super Plasticisers, Air entraining Agents, waterproofing/watertight, Mould release agents, etc.

Contact FOSROC Representative for TDS needed.

### Important note

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