

# EUCON PL370

## Plasticizer additive for delayed setting of Portland cement concrete

### DESCRIPTION

Eucon® PL370 is a slow setting liquid plasticizer specially developed for the production of Portland cement concrete in warmer climates. Its dosing can be adjusted to meet the most rigorous requirements of fluidity, sustainment of workability and reduced consumption of cement. Because it is a slow setting additive with a high saturation rate, dosages of up to 1.0% may be utilized, enabling the production of concrete with low water-cement ratios or optimum consumption of cement, despite using a plasticizing additive.

### TECHNICAL CHARACTERISTICS OF THE PRODUCTS

Characteristics	
Color	Dark Brown
Aspect	Liquid
Chemical base	Sulfonated salts
Tests	Results
Specific weight	~ 1.180 g/cm <sup>3</sup>
pH	~ 7.0
Chloride content	Chlorides free

### NORMS

Eucon PL370 meets the requirements of NBR 11.768/2011. "Chemical additives for Portland cement concrete - Requirements", for the types:

Type PR, DR 0.25 to 0.70%;  
Type SP-I R, DR 0.75 to 1.0%

### ADVANTAGES

- High reduction of kneading water.
- High initial and final resistances.
- Good sustainment of workability.
- Improvement of mechanical properties of the concrete.
- Reduced permeability.
- Increased durability.

### UTILIZATION

**Eucon® PL370** enables the production of concretes with the fluidity necessary for the most diverse requirements, as well as concretes with reduced consumption of cement. Its major benefit is obtained when it is used in:

- Machined concrete.
- Concrete produced on-site.
- Concrete flooring.
- Slipforms.

For other usage applications consult our Technical Department ([sac@viapol.com.br](mailto:sac@viapol.com.br)).

## USAGE INSTRUCTIONS

**Eucon® PL370** should be dosed directly on the moist mixture. Do not add it to dry mixture.

### Dosage:

**Eucon® PL370** should be used in doses of from 0.25 to 1.0% in relation to the weight of cement. These dosages are suggested as guidance, it being indispensable to conduct laboratory and/or on-site tests. The optimum dosage of **Eucon® PL370** can vary according to the type of cement, the effect of air conditioning, the ambient temperature, the initial resistance required, setting time, etc. High doses may cause excessive setting delay, which is why prior testing is essential.

### Compatibility:

**Eucon® PL370** is compatible with Viapol additives for concrete and mortar. For compatibility with other Viapol products, consult our Technical Department.

## CONSUMPTION

The consumption of **Eucon PL370** will be determined by the results of prior laboratory dosage testing and subsequent on-site validation.

## PACKAGING / STACKING

Packaging	Stacking
200 L / 236 kg drum	Do not stack
1000 liters / 1180 kg container	Do not stack
Bulk	Do not stack

## VALIDITY / STORAGE

Twelve (12) months from date of manufacture, in original intact packaging, in a covered, dry, ventilated location, far from sources of heat. Maximum storage temperature: 25°C.

## SAFETY RECOMMENDATIONS

Prior to starting work consult the respective SISCP (Safety Information Sheet for Chemical Products), available on our site: [www.viapol.com.br](http://www.viapol.com.br)

Use adequate PPE such as gloves, facial protection mask, waterproof boots and safety eyewear.

Store the product out of the reach of children and domestic animals.

In case of contact with the skin, wash the area with neutral soap and water.

In case of contact with the eyes, wash copiously with potable water for at least 15 minutes and seek medical assistance.

In the event of irritation of the skin, eyes or ingestion of the product, seek medical assistance, describing the type of product involved.

In the case of ingestion, do not induce vomiting and seek medical assistance immediately.

## ENVIRONMENTAL PRECAUTIONS

Dispose of waste materials and residuals in an appropriate location, in accordance with regulations arising from local environmental legislation in force and the nature of the material or products. Do not reuse empty packaging.

For further details consult the SSCP for the product **Eucon PL370** or the other products cited, as well as our website [www.viapol.com.br](http://www.viapol.com.br)

*Note: The information contained in this datasheet is based on our best knowledge and is provided for your help and guidance. We need to point out that the performance of our products depends on the preparation condition of the surface and the storage and application of the product, factors not subject to our control. The consumption of the products in practice depends on the application technique, the condition of the equipment used, and the surface to be coated. We do not, therefore, accept any responsibility of any nature regarding the consumption and performance of our products arising from inadequate storage or use of the products. For further clarification please consult our Technical Department.*

*Viapol reserves the right to alter the specifications and/or information contained in this datasheet without prior notice.*