

# PLASTOFLOW 7025

Super-Plasticizer additive for delayed setting of Portland cement concrete

## DESCRIPTION

**Plastoflow® 7025** is a delayed-setting, liquid, super-plasticizer additive composed of polycarboxylates, specially developed for the production of Portland cement concretes with extended workability sustainment requirements.

**Plastoflow® 7025** is recommended for the production of concrete where it is essential that the concrete remain fluid for several hours without detriment to initial and final resistances. Its dosing can be adjusted to meet the most demanding fluidity, prolonged workability and reduced cement consumption requirements.

## TECHNICAL CHARACTERISTICS OF THE PRODUCTS

Characteristics	Plastoflow 7025
Chemical Base	Solution of polycarboxylates in aqueous medium
Aspect	Liquid
Color	Yellowish
Specific weight	~ 1.070 g/cm <sup>3</sup>
pH	~ 74.5
Chloride content	Does not contain added chlorides

## NORMS

**Plastoflow 7025** meets the requirements of NBR 11.768/2011. "Chemical additives for Portland cement concrete - Requirements", for the types:

Tipo SP I N, DR 0.20 to 0.40%;  
Tipo SP-II N, DR 0.45 to 1.80%

## ADVANTAGES

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

## UTILIZATION

**Plastoflow® 7025** facilitates the production of concretes with the fluidity necessary for the most varied requirements, as well as concretes with reduced cement consumption. Its major benefit is obtained when used in:

- Self-compacting concrete.

High performance concrete.  
Pumped concrete.  
Concrete for prefabricated structures.  
Prestressed concrete.  
Slipforms.

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

## USAGE INSTRUCTIONS

**Plastoflow® 7025** should be dosed directly on the moist mixture. Do not add to dry mixture.

### Dosage:

**Plastoflow® 7025** should be used in doses of from 0.2 to 1.8% in relation to the weight of cement. These doses are cited as guidelines, it being indispensable to conduct prior laboratory and/or on-site testing. The optimum dosage of **Plastoflow® 7025** can vary according to type of cement, the effects of air conditioning, ambient temperature, workability duration necessary, initial resistance desired, setting time, etc. High doses can cause excessive setting delay, which is why prior testing is imperative.

### Compatibility:

**Plastoflow® 7025** is compatible with Viapol additives for concrete and mortar. For compatibility with other Viapol products consult our Technical Department.

## CONSUMPTION

The consumption of **Plastoflow 7025** will be determined by the results of prior laboratory dosage testing and subsequent on-site validation.

## PACKAGING / STACKING

**Plastflow 7025** is available in the following packaging:

- Bulk
- 200 L / 214 kg drums
- 1000 L / 1070 kg containers

This product must not be stacked.

## VALIDITY / STORAGE

Twelve (12) months from date of manufacture, in original intact packaging, in a covered, dry, ventilated location, in original intact packaging. Maximum storage temperature: 35°C.

## SAFETY RECOMMENDATIONS

Prior to starting work, consult the respective SISP (Safety Information Sheet for Chemical Products).

Use latex or PVC gloves, safety eyewear and waterproof footwear.

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 a 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 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 product or material.

For further details consult the SISCP for the product Eucon 211R, or for the products mentioned by accessing the site [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.*