

EUCON 211

Plasticizer additive for normal setting of Portland cement concrete

DESCRIPTION

Eucon® 211 is a normal-setting, liquid plasticizing additive specially developed for the production of Portland cement concreting using the most distinct types of cement available in Brazil. It is composed of raw materials of natural origin with great dispersive power, sustaining workability for longer periods without significantly altering the original setting characteristics of the concrete. Dosing can be adjusted to meet the most rigorous requirements of fluidity, workability and cement consumption reduction.

TECHNICAL CHARACTERISTICS OF THE PRODUCTS

Characteristics	Eucon 211
Chemical Base	Lignosulfonates
Aspect	Liquid
Color	Dark Brown
Specific weight	~ 1.20 g/cm ³
pH	~ 7.0
Chloride content	Chlorides free

NORMS

Eucon 211 meets the requirements of NBR 11.768/2011. "Chemical additives for Portland cement concrete - Requirements", for the types:

Type PN, DR 0.30 to 0.50%;
Type SP-I N, DR 0.55 to 0.90%

ADVANTAGES

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

APPLICATIONS

Eucon® 211 facilitates reduced consumption of cement. Its major benefit is obtained when it is used for:

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

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

USAGE INSTRUCTIONS

Eucon® 211 should be dosed directly on the moist mixture, or earlier, in the kneading water. Do not add it to the dry mixture.

Dosage:

Eucon® 211 should be used in doses of 0.3 to 0.9% in relation to the weight of cement. These dosages are suggested as guidance. Prior laboratory and/or on-site tests are indispensable. The optimum dosage of Eucon® 211 can vary according to the type of cement, the effect of air conditioning, ambient temperature, initial resistance required, setting time, etc.

High doses can cause overly retarded setting, which is why prior testing is imperative.

Compatibility:

Eucon® 211 is compatible with Viapol additives for concrete and mortar. For compatibility with other products consult our Technical Department.

CONSUMPTION

The consumption of this additive will be determined by prior laboratory dosage tests subsequently validated by on-site testing.

PACKAGING / STACKING

Eucon 211 is available in the following packaging:

- Bulk
- 1000 L / 1200 kg containers
- 200 L / 240 kg drums

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. Maximum storage temperature: 35°C.

SAFETY RECOMMENDATIONS

Prior to starting work, consult the respective SSCP (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 material or products. Do not reuse empty packaging.

For further details consult the SSCP for this product.

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.