



BISEAL[®]

PL-F

PLASTICIZING / RETARDANT LIQUID ADMIXTURE FOR CONCRETE AND MORTAR

DESCRIPTION

BISEAL[®] PL-F is liquid admixture to improve the workability and fluidity for concretes or mortars or to reduce the mixing water. Its setting time retarding side effect improves the workability for warm weather concrete placing.

APPLICATION FIELDS

- Mortars and concretes whether rich or poor cement content with improved workability and plasticity.
- Reduction of mixing water for a workability given for concretes and mortars.
- Concreting by extruder means: pre-cast elements, etc.
- Warm weather concrete placing.

ADVANTAGES

- Setting time delay, allowing a better finish for concrete without cold joints at warm weather concrete placing.
- Improves the workability, placement and finishing for fresh mortars and concretes.
- Provides cohesion to the mix, preventing segregation.
- Reduces shrinkage process and cracks for mortars and concrete with low w/c ratios.
- Reduces the mixing water.
- Reduces the permeability and increases the mechanical strengths for mortars and concretes.

APPLICATION INSTRUCTIONS

Mixing

BISEAL[®] PL-F is supplied ready to use, and is added directly to the mixing water for concrete or mortar.

Cleaning

All tools and equipment for mixing and application must be cleaned immediately with water after use.

DOSAGE

Dosage for **BISEAL[®] PL-F** varies from 0,5% to 1,5% by weight of cement.

Testing mixes should be carried out to determine the optimum dosage to achieve the effects on desired properties and uses for concretes or mortars, i.e., plasticizing effect, according to application and curing conditions existing in the jobsite. Other dosages are possible but some in situ tests must be performed.

IMPORTANT INDICATIONS

- Do not add the admixture directly to the dry cement or aggregates.
- Check the compatibility of different additives in **BISEAL** range before use.
- For uses not defined in this Technical Bulletin, further information or questions about the application of the product consult the Technical Department

PACKAGING

BISEAL[®] PL-F is supplied in 25 kg plastic jerrycans, 220 kg drums and 1.100 kg containers.

STORAGE

Twelve months in its unopened and undamaged original sealed packaging. Store in a cool, dry and covered place, protected from moisture, frost and away from direct exposure to sunlight, with temperatures above 5 °C.

Storage at temperatures below 5 °C may lead to the crystallisation of product components. In this case, it must be heated slowly at moderate temperature while it is regularly stirred until achieving its homogeneous original appearance and without lumps. Avoid overheating.

SAFETY AND HEALTH

BISEAL® PL-F is not a toxic product but direct contact with skin and eyes must be avoided. Use rubber gloves and safety goggles when handling and mixing the product. In case of contact with skin, wash affected area with soap and water. In case of contact with eyes, rinse immediately thoroughly with clean water but do not rub. If the irritation persists, seek medical assistance.

It is not classified as dangerous material for transportation: non corrosive and non-flammable. Consult the recent Material Safety Data Sheet for **BISEAL® PL-F**.

Disposal of the product and its packaging must be done in accordance with current official regulations and it is the responsibility of the final user of the product.

TECHNICAL DATA

Product characteristics	
Appearance	Liquid
Colour	Brown
Density at 20 °C, (g/cm ³)	1,15 ± 0,10
Solubility in water	Complete
Dosage	
Dosage*, (% , by weight of cement)	0,5-1,5

(*Testing mixes should be carried out to determine the optimum dosage to achieve the effects on desired properties and uses for concretes or mortars, according to application and curing conditions existing in the jobsite.

GUARANTEE

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