



# **BISEAL**®

## **SCC**



## **SUPERPLASTICISER ADMIXTURE FOR SELF COMPACTING CONCRETE**

### **DESCRIPTION**

**BISEAL**® **SCC** is a superplasticiser liquid admixture based on a modified polycarboxilic polymer, designed especially for obtaining Self Compacting Concrete (SCC) and High Performance Concrete (HPC).

**BISEAL**® **SCC** can produce very high workable concrete, with cohesion and no risk of segregation or bleeding, placed and compacted under its own weight with minimal vibration required.

### **APPLICATION FIELDS**

- High flow and workable concrete with the lowest water/cement ratio.
- High early and ultimate strength concrete.
- Prefabricated and prestressed reinforced concrete elements.
- Placing in highly congested reinforced structures.
- Highest quality concrete for civil works in any type of application.

### **ADVANTAGES**

- **BISEAL**® **SCC** improves placing of concrete in densely reinforced areas and consolidation in inaccessible areas of the formwork.
- Maximum water reduction achieved.
- Longer workability than other super plasticisers, with no retardation of setting.
- Provides high cohesion to fresh concrete avoiding segregation and bleeding.
- Reduced water/cement ratios, which produces more durable and dense concrete with very low permeability increasing the resistance to carbonation, chloride ion penetration and aggressive atmospheric conditions.

- It eliminates entrapped air, reduces porosity and improves surface finishes and aesthetic appearance.
- Minimum water/cement ratio decreases the risk of drying shrinkage and creep.
- Does not contain chlorides or any other corroding compound.
- Better productivity with faster placement and less working of the concrete required.

### **APPLICATION INSTRUCTIONS**

It is supplied ready to use, being added directly to the mixer with the mixing water in a 0,5% to 3% proportion by weight of cement and silica fume or fly ash. Optimum effect is obtained if **BISEAL**® **SCC** is added with the last part of the mixing water, allow a minimum mixing time of 3-4 minutes. Avoid adding directly to the dry cement or dry aggregate.

Tools can be cleaned using clean water.

### **CONSUMPTION**

Recommended dosage of **BISEAL**® **SCC** is between 0,3 % to 3 % by weight of cement and pozzolanic compounds.

Trial mixes should be carried out to fix optimum dosage and effect. Dosage rates outside the recommended quantity can be used if it does not result in segregation or delay of setting-time.

### **IMPORTANT INDICATIONS**

For other uses not specified in this Technical Bulletin, consult our Technical Department.

## PACKAGING

**BISEAL® SCC** is supplied in 20 litre can, 220 litre drum and 1000 litres container.

## STORAGE

Twelve months in its original unopened packaging, in a dry and covered place protected from frost, with temperatures above 5°C.

If frozen, thaw and agitate thoroughly to return to its normal state before use.

## SAFETY AND HEALTH

**BISEAL® SCC** is not a toxic product, but avoid contact with eyes and skin. Use safety goggles and gloves. In case of skin contact, wash with warm water and soap. In case of eye contact, rinse abundantly with water and seek medical help. It is not flammable nor classified as dangerous for transportation.

Safety Data Sheet for **BISEAL® SCC** is available by request.

Disposal of the product and its empty packaging must be made by the final user and according to official regulations.

## TECHNICAL DATA

|  |   |
|--|---|
| Description  | High activity water reducer admixture/ superplasticiser.<br>EN 934-2 T3.1/3.2 |
| Density (g/cm <sup>3</sup> )   | 1,04 ± 0,02   |
| pH   | 6,1 ± 1   |
| Base   | Polycarboxylic polymer  |
| Appearance   | Light brownish liquid   |
| Solubility in water  | Complete  |
| <b>BISEAL® SCC meets specifications for CE mark of superplasticiser admixtures for concrete according to EN 934-2.</b> |   |

## GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®, S.A.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



### DRIZORO, S.A.

C/ Primavera 50-52 Parque Industrial Las Monjas  
28850 TORREJON DE ARDOZ – MADRID (SPAIN)  
Tel. 91 676 66 76 - 91 677 61 75 Fax. 91 675 78 13  
e-mail: [info@drizoro.com](mailto:info@drizoro.com) Web site: [drizoro.com](http://drizoro.com)

ISO 9001  
ISO 14001

BUREAU VERITAS  
Certification



n° 6003176 / 6003176-MA