



BISEAL[®]

CEL



AIR-ENTRAINING ADMIXTURE FOR CELLULAR CONCRETE

DESCRIPTION

BISEAL[®] CEL is an air-entraining admixture to make low density cellular concrete. It increases highly the air content in concrete, with small air cells uniformly distributed throughout the concrete matrix.

APPLICATION FIELDS

- Lightweight cellular concrete production.
- Concretes suitable for augmentation and levelling in non-high compress actions subjected slabs.
- Placing of concrete with low content of fillers or fine sand.

ADVANTAGES

- High efficient concentrated product.
- Introduction of air cells provide a plasticizer side effect, improving workability and pumping of fresh concrete, and achieving better cohesion and aesthetic finish.
- It reduces segregation and bleeding in the placement of concrete.
- The net of air cells increases impermeability and freeze/thaw cycles of hardened concrete.

APPLICATION INSTRUCTION

Mixing

Add directly to mixing water. Dosage rates varies between 0,5% and 3% by cement weight. Pour water, **BISEAL[®] CEL** (by appropriate dosage) and cement into concrete mixer. Mix quickly from 5 to 10 min, taking into account that with the longest mixing time, the fastest mixing speed and with the highest admixture concentration, the lowest final density on concrete is achieved.

For example, a mixture with a dosage of **BISEAL[®] CEL** of 2% and stirred for 8 min, the density achieved is 880 kg/m³.

CONSUMPTION

Estimated dosage is from 0,5 to 3% of cement weight, depending on density desired. Trial mixes should be carried out to fix optimum dosage and properties desired.

IMPORTANT INDICATIONS

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

PACKAGING

BISEAL[®] CEL is supplied in 220 litres drums and 1.000 litres containers.

STORAGE

Twelve months in its original unopened container, in a dry and covered place protected from frost, with temperature above 5°C. If frozen, thaw and agitate thoroughly to return to its normal state before use.

SAFETY AND HEALTH

BISEAL[®] CEL is not a toxic product but avoid contact with the eyes and skin. Use safety goggles and rubber gloves. In case of skin contact, wash with luke-warm water and soap. In case of eye contact, rinse thoroughly with water seek medical assistance.

It is not classified as dangerous material for transportation and non-flammable.

Safety Data Sheet for **BISEAL[®] CEL** is available by request.

The final user must do disposal of the product and its empty container and according to

official regulations.

TECHNICAL DATA

Description	Air-entraining admixture. EN 934-2 T5
Density (g/cm ³)	1,01± 0,02
pH	11± 1
Appearance	Light yellowish liquid
Solubility in water	Complete
BISEAL[®] CEL meets specifications for CE marking of air-entraining admixture for concrete according to EN 934-2.	

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.



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BUREAU VERITAS
Certification

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