



BISEAL[®]

RETARDER - SH

RETARDING ADMIXTURE FOR CONCRETE AND MORTAR

DESCRIPTION

BISEAL[®] RETARDER -SH is a liquid admixture to be added directly to the mixing water, for retarding the setting time of concrete and mortar.

- Final setting-time: 18 hours

- Dosage of 1% by weight of cement:
 - Initial setting-time: 30 hours
 - Final setting-time: 35 hours

APPLICATION FIELDS

- Concrete placing in hot weather condition.
- Transport over long distances.
- Placing of large volumes of concrete.

ADVANTAGES

- Allows control of the setting time.
- Reduces shrinkage.
- Reduces segregation of fresh components.
- Increases final mechanical strength.

APPLICATION INSTRUCTIONS

BISEAL[®] RETARDER -SH is added directly to the mixing water. Do not add to dry cement or aggregate.

CONSUMPTION

Dosage varies between 0.1% to 1% of cement weight. Do not overdosage. Trial mixes should be carried out to fix optimum dosage and properties desired, and according to existing temperature. As an indication and depending on the temperature, type of cement used, etc, it can be obtained the following results:

- Dosage of 0,3% by weight of cement:
 - Initial setting-time: 14 hours

IMPORTANT INDICATIONS

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

PACKAGING

BISEAL[®] RETARDER -SH is supplied in 25 kg jerrycan and 220 kg drum.

STORAGE

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

SAFETY AND HEALTH

BISEAL[®] RETARDER-SH 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[®] RETARDER-SH** is available by request.

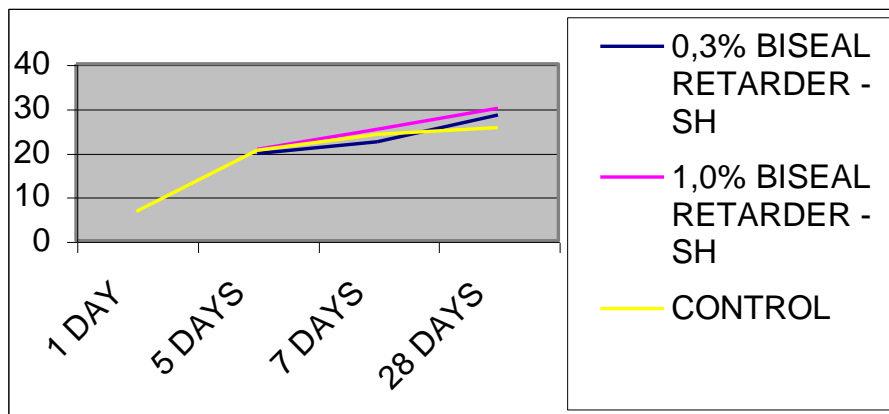
TECHNICAL DATA

Description	Retarding admixture. EN 934-2 T8
Density (g/cm ³)	1,28
pH	7
Appearance	Colourless liquid
Solubility in water	Complete
BISEAL® RETARDER-SH meets specifications for CE mark of retarding admixture for concrete according to EN 934-2.	

EVOLUTION OF COMPRESSIVE STRENGTHS:

Based on a standard mortar 1/3 with cement CEM II A-M 42,5. Values in MPa.

AGE	0,3% BISEAL® RETARDER - SH	1,0% BISEAL® RETARDER - SH	CONTROL
1 DAY	NO MEASURE	NO MEASURE	6,70
5 DAYS	19,7	20,6	20,5
7 DAYS	22,4	25,2	24,0
28 DAYS	28,4	30,0	25,6



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 Web site: drizoro.com

ISO 9001
 ISO 14001

BUREAU VERITAS
 Certification

n° 6003176 / 6003176-MA

