

REONET-SB1**PC HIGH RANGE WATER REDUCER / SUPER PLASTICIZER ADMIXTURE)**

REONET-SB1 is high range water-reducer and high-performance super plasticizer based on modified polycarboxylic (PC) polymers.

It meets the requirements of the following standards:
ASTM C1017/C1017 M, ASTM C494/C494 M TYPE F
EN 934
INSO 2930

ADVANTAGES

- Reduces cement content in concrete
- Creating fluidity of concrete before setting (increased concrete workability)
- Design of concrete mixes with water-cement ratios in the range of 0.3 to 0.4
- Prevents bleeding and segregation of concrete
- Eliminates air content of concrete
- Improves concrete consistency
- Improves pumpability of concrete
- It can be used with all types of Portland cement including Sulphate Resisting.
- Use simultaneously with silica fume, fly ash and other pozzolanic materials
- Increases the compressive strength of concrete

APPLICATION

- Ready mix concrete
- Exposed concretes
- Concreting in thin and congested steel reinforcement sections
- Produces High Performance Concrete (HPC)
- Produces High Strength Concrete (HSC)
- Produces Self-Consolidating Concrete (SCC)
- Produces Water Resistant Concrete (WRC)
- Produces Preplaced Aggregate Concrete (PAC)

DOSAGE

The optimum dosage of REONET-SB1 can be determined by trials in the site. Depending on concrete mix design (sizes and types of aggregates, cement content, water/cement ratio, ambient temperature and concreting conditions), a dosage of between 0.3 and 1.2 percent by weight of cement or cementitious material is recommended.

For use with other range of dosage, contact ABADGARAN GROUP Technical Services Department.



DIRECTION OF USE

- 1-REONET-SB1 could be added to a part of concrete mixing water then added to the concrete mix.
- 2- REONET-SB1 could be added to the concrete mix during the mixing cycle at the same time as the water or the aggregate or it could be added to ready-mix concrete before placing concrete.
- 3- Admixtures must be weighed carefully.

PHYSICAL AND CHEMICAL PROPERTIES

Chemical base: modified polycarboxylic (PC) polymers

Specific gravity: $1.06 \pm 0.03 \text{ g/cm}^3$

Physical state: Liquid

Chloride content: Nil to EN 934

STORAGE & SHELF LIFE

Shelf life: 1 year in the original package

Storage condition: should be protected from direct sunlight and frost. Keep container in the temperature range between $+10^\circ\text{C}$ and $+30^\circ\text{C}$.

Packing: 22 kg container or 1000 kg tank

HEALTH AND SAFETY

This product does not contain any substances hazardous to human health and the environment. However, it should not be swallowed or allowed to be in contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water. For further information refer to the material safety data sheet.

REONET-SB1 is not flammable. MSDS is available at ABADGARAN GROUP website.

TECHNICAL SERVICE

The ABADGARAN INTERNATIONAL GROUP Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

All data presented in this technical datasheet are based on our last researches in ABADGARAN CONSTRUCTION CHEMICALS laboratories and are just as a guide for choosing appropriate material. Therefore users should conduct a sufficient investigation to establish the suitability and conformity of any product for intended uses.



موسسه استاندارد و تحقیقات صنعتی ایران
تائیدیه صلاحیت آزمایشگاه همکار



مرکز ملی تائید صلاحیت ایران
ISO / IEC 17025



مجوز صادرات
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