



ABADGARAN

CONSTRUCTION CHEMICALS MANUFACTURER

صنایع شیمی ساختمان آبادگران

ABAPLAST SRT-2912

PC HIGH RANGE WATER REDUCER / SUPER PLASTICIZER

ABAPLAST SRT-2912 is a high range water reducing and super plasticizing admixture based on modified polycarboxylic (PC) polymers. It provides excellent workability retention.

It meets the requirements of the following standards:

ASTM C1017/C1017 M, ASTM C494/C494 M TYPE F

EN 934

INSO 2930

ADVANTAGES

- Provides excellent slump retention
- Reduces cement content in concrete
- Design of concrete mixes with water-cement ratio range of 0.3 to 0.4
- Can eliminate vibration
- Improves concrete consistency
- Improves pumpability of concrete
- Compatible with all Portland cement types
- Can be used simultaneously with silica fume, fly ash and other pozzolanic materials
- Enables production and transportation of concrete over long distances
- Prevents cold joint and cracks
- Increases the compressive strength of concrete
- Prevents bleeding and segregation of concrete
- Reduces rate and heat of hydration

FIELD OF APPLICATION

- Hot weather concreting
- Transportation of concrete over long distances
- Mass concrete
- Exposed concrete
- 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)



موسسه استاندارد و تحقیقات صنعتی ایران
تائیدیه صلاحیت آزمایشگاه همکار



مرکز ملی تایید صلاحیت ایران
ISO / IEC 17025



مجوز صادرات
به اتحادیه اروپا



استاندارد ملی ایران

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واحد تولیدی نمونه ملی

DOSAGE

The optimum dosage of ABAPLAST SRT-2912 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 between 0.3 and 0.8 percent by weight of cement or cementitious material is recommended.

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

DIRECTION OF USE

1-ABAPLAST SRT-2912 could be added to a part of concrete mixing water then added to the concrete mix.

2- ABAPLAST SRT-2912 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- Admixture must be weighed carefully.

PHYSICAL AND CHEMICAL PROPERTIES

Chemical base: modified polycarboxylic (PC) polymers

Specific gravity: $1.12 \pm 0.05 \text{ g/cm}^3$

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.

ABAPLAST SRT-2912 is not flammable. MSDS is available at ABADGARAN 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.



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