

S.P.A.PLAST-A**SET ACCELERATING/WATER REDUCING/SUPER PLASTICIZING ADMIXTURE****DESCRIPTION**

S.P.A.PLAST-A is a special set accelerating/water reducing/super plasticizing admixture recommended for cold weather concreting.

It meets the requirements of the following standards:

ASTM C494/C494 M TYPE E, EN 934 and INSO 2930

ADVANTAGES

- Reduces water-cement ratio up to 20%
- Increases workability and workability retention of concrete
- Improves concrete consistency
- Considerably reduces permeability
- Increment of initial compressive strength of concrete
- Improves pumpability of concrete and reducing depreciation of concreting Equipments
- Prevents creep and shrinkage of concrete

FIELD OF APPLICATION

- Slabs, foundations, columns, shear and retaining walls, deck bridges, etc.
- Enables production and transportation of concrete in cold weather conditions.
- Pre-cast concrete
- Concrete placement using climbing system formworks

DOSAGE

The optimum dosage of S.P.A.PLAST-A 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 0.5 and 1.5 percent by weight of cement or cementitious material is recommended.

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

Note: Please contact our engineering office in case of simultaneously use of more than one admixture.

DIRECTION OF USE

1- S.P.A.PLAST-A could be added to a part of concrete mixing water then added to the concrete mix.

2- S.P.A.PLAST-A 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 PROPERTIESSpecific gravity: 1.30+ 0.05 g/cm³

Physical state: Liquid

Color: Dark brown

Chloride content: Nil to EN 934

STORAGE

Shelf life: 1 year in the original package.

Storage condition: should be protected from direct sunlight and moisture. Keep bag in the temperature range between +10°C and +30°C.

Packing: 23 kg container or 1000 kg tank

HEALTH & SAFETY

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

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.

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