

ABABUILD-1100 **SUPPLEMENTARY ADMIXTURE FOR CEMENT INJECTION SLURRY**

ABABUILD-1100 is an admixture based on synthetic polymers for injection cement slurry. It could effectively reduce water/cement ratio as well as modifying rheology of slurry and also significantly reduce bleeding.

It meets the requirements of the following standards:
EN 934-1, ISIRI 2930-1

APPLICATION

- Projects with complicated formwork or with congested reinforcement.
- Slabs, foundations, columns, shear and retaining walls, deck bridges, etc.
- When lowering water/cement ratio is required
- Injection slurry

ADVANTAGES

- Significantly reduces in bleeding (especially in injection slurry)
- Reduces water-cement ratio in the range of %12 to 30%
- Increases workability and workability retention
- Improves pumpability
- It can be used with all types of Portland cement (before use with type V setting time shall be checked)
- Prevents creep and shrinkage
- Reduces permeability

DOSAGE

The optimum dosage of ABABUILD-1100 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 0.6 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-ABABUILD-1100 is better to be added to a part of mixing water then added to the other components.
- 2- ABABUILD-1100 could be added to other premixed materials.
- 3- Admixtures must be weighed carefully.

PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity: $1.21 \pm 0.05 \text{ g/cm}^3$

Physical state: Liquid

Color: Dark brown

Chloride content: chloride-free to EN 934-1



STORAGE

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°C and +30°C

Packing: 24 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 and contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water. ABABUILD-1100 is not flammable. For further information refer to the material safety data sheet. MSDS is available at ABADGARAN GROUP website.

TECHNICAL SERVICE

The ABADGARAN 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.

