

Set accelerating, water reducing, super plasticizing admixture for concrete

DESCRIPTION

TECHNOPLAST S is a set accelerating admixture specially for very fast demolding of forms of reinforced and nonreinforced concrete.

TECHNOPLAST S is also a super plasticizer with about %15 water reduction properties.

STANDARDS

ASTM C-494 type C

EN 934-2 type 12

APPLICATION FIELDS

- Very fast mold release requirements.
- Prefab sector.
- Ready mix, pre stressed, precast or normal concrete.
- Pumped concrete.
- Concrete prepared in cold climates.
- Concrete with high early mechanical strengths.

ADVANTAGES

- Demolding times may be adjusted with dosage. Approx. demolding time -6 hrs.
- Improved w/c ratio. (water reduction 15 %)
- Concrete with significantly increased compressive strength at early ages.
- Chloride free. Non corrosive.
- Has plasticizing effect on the concrete.
- Can be used in cold temperatures.
- In low temperatures, accelerates the setting time to protect concrete from freeze.
- Saves from curing cost and time in prefab sector.
- Fast pre stressing in anchorage injections.

SETTING TIME

Because of its very fast accelerating properties, workability time is reduced. Tests must be done to determine workability.

COMPATIBILITY

TECHNOPLAST S is compatible with;

- Air entrainer especially for freeze-thaw cycle.
- Micro silica, fly ash, slag.
- All types and classes of cement.

SHELF LIFE

TECHNOPLAST S admixture is designed to specially sunlight and frost, shelf life is more than 1,5 years from production date.

DOSAGE

- % 1.0 - 3.0 of cement.
- Tests must be done to figure correct dosage.

USE

- TECHNOPLAST S must be introduced into the mixer at the same time with the mix water.
- It could also be added on site in the truck mixer before pouring by mixing for 10 minutes with high speed turns.
- Because of its set accelerating properties, pouring of the concrete must be done immediately.
- TECHNOPLAST S admixture can be used up to -5°C

SAFETY PRECAUTIONS

Avoid contact with skin and eyes, and if in contact, wash with plenty of water. If swallowed, drink few glasses of water and seek medical help.
Wear suitable gloves, mask, and protective eye glasses.

PACKING AND STORAGE

20 kg plastic pail, 220 kg drum, 1100 kg IBC, bulk.

If stored in between +5 °C / +25 °C in its original packaging

under covered, dry and ventilated areas protected from increase the initial compressive strength of concrete.

If no reduction in the final compressive strength is needed, cement ratio of the concrete mix should be increased