

High Range Water Reducing, Workability retention and Super Plasticizer Concrete admixture. complies with ASTM C 494 type G&F

DEFINITION

Novo Plast X is a chloride free workability retention admixture based on selected organic polymers. It is supplied as a brown solution, which instantly disperses in water.

Novo Plast X disperses the fine particles in the concrete mix enabling the water concrete of concrete to perform more effectively.

The increased workability, cohesion and retardation minimize loss of workability.

STANDARDS

Novo Plast X complies with ASTM C494 as Type G&F.

ADVANTAGES

- Increase workability without extra water, reduce placing time and costs.
- Give increased working life to fresh concrete.
- Aid pumping by improving cohesion and reducing workability loss
- Reduce water content more than 20 % where increase compressive strength of concrete without effect on
- Improve cohesion, minimizing segregation and improving surface finish.
- Allow a reduction in water/cement ratio, enhancing durability by producing low permeability concrete with reduced shrinkage cracking potential.
- Chloride free, safe for use in reinforced concrete.
- Can be used with concrete contained micro silica and other cement replacements.

PHYSICAL PROPERTIES @ 25 C°

DISCRIPTION	VALUE
Appearance	brown liquid
Density	(1.163 ±0.01) kg / L
Chloride content	NIL
Shelf life	6 Months in suitable storage conditions

DIRECTIONS FOR USE & DOSES

The optimum dosage of **Novo Plast X** to meet specific requirement should always be determined by trials in the site using the normal dosage is 0.8 to 3 kg / 100 kg of cementations material.

Dispensing:

- **Novo Plast X** should be dispensed directly into the mixing water before its addition to the dry mix.

The mix design should be one, suitable for use as a pump mix.

- To obtain the best results for workability retention, the initial workability should be above 150 mm slump.
- The retardation and improved cohesion provided by **Novo Plast X** act to enhance the workability retention characteristics.

Effects of overdosing:

- An overdose as double the amount **Novo Plast X** will result in a significant increase in retardation as compared to that normally obtained.
- Provided that adequate curing is maintained, the ultimate strength of concrete will not be impaired by increased retardation and will generally be increased.
- The effects of overdosing will be further replacement materials that are used.
- Over dosage increases the retardation and workability without cause increased air Entrainment, the degree of this effect will depend on the particular mix design and overdose level.

PACKING

Cubic 1000 liter / or as customer requirements.

STORAGES CONDITIONS

Provided temperature is kept within the range 5 °C to 45°C. If it is exceeded, a respect advice should be sought from the supplier.

PRECAUTIONS & SAFETY

Novo Plast X is non-flammable and non-toxic, wash any splashes to the eyes immediately with water, and medical advice should be consulted.

NOVOCHEM S.A.E

المقر الرئيس والمصنع


مصر - الجيزة - مدينة السادس من أكتوبر - المنطقة الصناعية الثالثة - بلوك 91,102,103

Headquarters and Factory

Egypt - Giza- 6th of October City - 3rd Industrial Zone - Blocks 91,102,103

Tel. : (+202) 369 182 33

Fax: (+202) 369 182 32

 www.novochem.net

 info@novochem.net

  Novochem

