

High Range Water Reducing and Set Retarding Concrete Admixture complies with ASTM C494 as Type G.

DEFINITION

Novo Plast G 400 is a chloride free, a highly effective super plasticizer with set retarding effect for producing high workability concrete in hot climates. Also, it is a high-water reducing agent for promoting high early and ultimate strength.

STANDARDS

Novo Plast G 400 complies with ASTM C494 as Type G.

ADVANTAGES

1. Increase workability without extra water, reducing placing time and costs.
2. Give increased working life to fresh concrete.
3. Reduce water content more than 25 % where increase compressive strength of concrete without effect on workability of concrete.
4. Aid pumping by improving cohesion and reducing workability loss.
5. Improve cohesion, minimizing segregation and improving surface finish.
6. Chloride free, safe for use in reinforced concrete.
7. Can be used with concrete containing micro silica and other cement replacements.

PHYSICAL PROPERTIES @ 25 C°

DISCRIPTION VALUE

Appearance	brown liquid
Density	(1.208 ±0.005) kg / L
Chloride content	NIL
Shelf life	6 Months in suitable storage conditions

DIRECTIONS OF USE & DOSES

- The optimum dosage of **Novo Plast G 400** to meet specific requirement should always be determined by trials using the normal dosage is 0.8 to 2 liters/100 kg of cementations material; where that depends on the type of raw materials and weather conditions.
- Mix design for workability retention, the mix design should be suitable for use as a pump mix.
- To obtain the best results for workability retention, the initial workability should be above 150 mm slump.

Effects of overdosing:

Over dosage increases the retardation and workability, effect level will depend on the particular Mix design and overdose level.

Temperature effect in cement hydration so dose must be decrease in winter night.

PACKING

Cubic 1000 litres / or as customer requirements.

STORAGE CONDITIONS

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

PRECAUTIONS & SAFETY

- **Novo Plast G400** is non-flammable and non-toxic, wash any splashes to the eyes immediately with water, and medical advice should be consulted.

NOVOCHEM S.AE

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