

High Range Water Reducing & Super Plasticizer Concrete Admixture complies with ASTM C 494 type - F.

DEFINITION

Novo Plast SP is a super plasticizer for producing high quality concrete, supplied as a brown liquid.

STANDARDS

Novo Plast SP complies with ASTM C 494 type - F

ADVANTAGES

- Chloride free, so safe in pre-stressed concrete.
- Increase density and reduce porosity resulting in improving water penetration resistance.
- Reduce water content more than 15 % where increase compressive strength of concrete without effect on
- When used as a water reducer without cement reduction, early strength is increased up to 60% at 24 hours. Ultimate strength is also increased.
- Increase workability reduces placing time, equipment and labour element needs little or no compaction during placing.
- Increase cohesion, minimize bleeding and Segregation and give improved surface finish.
- Compatible with sulphate resistant cement or marine aggregates.

PHYSICAL PROPERTIES @ 25 C°

DISCRIPTION VALUE

Appearance	brown liquid
Density	(1.173±0.005) kg / L
Chloride content	NIL
Shelf life	6 Months in suitable storage conditions

DIRECTIONS OF USE & DOSES

- ✓ **Novo Plast SP** is added to concrete after being mixed with water, it can also be added to the water before mixing.
- ✓ Do not add **Novo Plast SP** to dry cement
- ✓ The optimum dosage of **Novo Plast SP** should be determined by site trials on the site where this depends on the type on t cement, aggregates, and weather conditions.

The guide dosage is

0.80 to 2.5 liters/100kg cement, for flowing concrete.

- ✓ An overdose of doubling the recommended amount of **Novo Plast SP** will result in very high workability and some retardation will occurs. The ultimate compressive strength of the concrete will not be impaired.
- ✓ As with all structural concrete, normal curing methods can be applied. Water spray or one of the **Novo cure** range as curing compounds can be also used.

PACKING

Cubic1000 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 SP is non-flammable and non-toxic, wash any splashes to the eyes immediately with water, and medical advice should be consulted.

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