

# Novo Plast SP 100

Data Sheet

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**High range water reducing & super plasticizer concrete admixture.** complies with ASTM C 494 type F.

## DEFINITION

**Novo Plast SP 100** is a high quality super plasticizer for producing high quality concrete.

**Novo Plast SP 100** is supplied as a brown liquid.

## STANDARDS

**Novo Plast SP 100** 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.
- When used as a water reducer without cement reduction, early strength is increased up to 70 % at 24 hours. Ultimate strength is also increased.
- Reduce water content more than 20 % where increase compressive strength of concrete without effect on
- Increase workability reduces placing time, equipment and lab. Our 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	(1.20 ±0.005) kg / L
Chloride content	NIL
Shelf life	6 Months in suitable storage conditions

## DIRECTIONS OF USE & DOSES

- ✓ **Novo Plast SP 100** 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 100** to dry cement.
- ✓ The optimum dosage of **Novo Plast SP 100** should be determined by site trials on the site where tis depend on cement type, aggregates and weather conditions.

The guide dosage is

0.70 to 2.5 liters/100kg cement, for flowing.

- ✓ An overdose of doubling the recommended amount of **Novo Plast SP 100** will result in very high workability and some retardation will occurs. The ultimate compressive strength of 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

- ✓ 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 SP 100** is non-flammable and non-toxic, wash any splashes to the eyes immediately with water, and medical advice should be consulted.