

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

## DEFINITION

**Novo Plast SP 50M** is a high-quality super plasticizer for producing high quality concrete. **Novo Plast SP50 M** is supplied as a brown liquid.

## STANDARDS

**Novo Plast SP 50 M** complies with ASTM C 494 type A, F.

## ADVANTAGES

- Increase workability reduces placing time, equipment and labor element needs little or no compaction during placing.
- 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 workability of concrete.
- Increase cohesion, minimize bleeding and segregation and give improved surface finish.
- Compatible with sulphate resistant cement or marine aggregates.
- Chloride free, so safe in pre-stressed concrete.

## PHYSICAL PROPERTIES @ 25 C°

### DISCRIPTION VALUE

<b>Appearance</b>	brown liquid
<b>Density</b>	(1.16±0.005) kg / L
<b>Compatibility</b>	All types of Portland cement
<b>Chloride content</b>	NIL
<b>Shelf life</b>	6 Months in suitable storage conditions

## DIRECTIONS OF USE & DOSES

- ✓ **Novo Plast SP 50 M** 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 50 M** to dry cement.
- ✓ The optimum dosage of **Novo Plast SP 50 M** should be determined by site trials on the site.

The guide dosage is

0.80 to 1.8 liters/100kg cement, for flowing.

- ✓ An overdose will increase retardation of setting time for entail and final, with increasing in workability that depends on weather conditions and other ingredients of concrete.
- ✓ When added with type D its amount should be reduced from amount of type D to avoid increased the retardation of concrete (must adjust the dose in trail)

## 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 50 M** 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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