

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

DEFINITION

Novo Plast SP40 M is a high-quality super plasticizer for producing high quality concrete.

Novo Plast SP40 M is supplied as a brown liquid.

STANDARDS

Novo Plast SP40 M complies with ASTM C 494 type A, F.

ADVANTAGES

- Increase density and reduce porosity resulting in improved water penetration resistance.
- Reduce water content more than 18 % where increase compressive strength of concrete without effect on
- Increased 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.
- Chloride free, so safe in pre-stressed concrete.

PHYSICAL PROPERTIES @ 25 C°

DISCRIPTION VALUE

Appearance	brown liquid
Density	(1.193±0.005) kg / L
Compatibility	All types of Portland cement
Chloride content	NIL
Shelf life	6 Months in suitable storage conditions

DIRECTIONS OF USE & DOSES

- ✓ **Novo Plast SP 40 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 40 M** to dry cement.
- ✓ The optimum dosage **Novo Plast SP40 M** should be determined by site trials on the site where this depends on the cement type, aggregate and on weather conditions.
The guide dosage is 0.80 to 1.8 liters/100kg cement, for flowing.
- ✓ An overdose of doubling recommended amount of **Novo Plast SP 40 M** will result in very high workability and some retardation will occur. The ultimate compressive strength of the concrete will not be impaired.
- ✓ 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)
- ✓ 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 liter / 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 40 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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