

Modified polycarboxylate ether generation admixture for concrete.

DEFINITION

Novo XPG is a unique third generation super plasticizer based on modified poly carboxylic ether.

Novo XPG has been particularly developed for use in precast and self-compact concrete to give extended slump retention and high early strength development of concrete mixes

STANDARDS

Novo XPG complies with **EN 934-2**

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 80 % at 24 hours. Ultimate strength is also increased.
- Reduce water content where increase compressive strength of concrete
- 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.

PACKING

- ✓ Cubic 1000 liters / 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.

PHYSICAL PROPERTIES @ 25 C°

DISCRIPTION VALUE

<i>Appearance</i>	Clear yellowish
<i>Density</i>	(1.060 ±0.005) kg / L
<i>Chloride content</i>	NIL
<i>Shelf life</i>	6 Months in suitable storage conditions

DIRECTIONS OF USE & DOSES

- ✓ **Novo XPG** is added to concrete after being mixed with water, it can also be added to the water before mixing.
- ✓ Do not add **Novo XPG** to dry cement.
- ✓ The optimum dosage of **Novo XPG** should be determined by site trials on the site where it's depended on cement type, aggregates and weather conditions.
- ✓ The guide dosage is 0.2 to 3 Kg / 100 Kg of cement
- ✓ An overdose of doubling the recommended amount of **Novo XPG** 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.

PRECAUTIONS & SAFETY

Novo XPG 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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