

High Water Reducing and Retarding Concrete Admixture**Definition**

Novo Plast R: is a brown liquid set retarding concrete admixture with a powerful plasticizing effect. Substantial water reduction can be achieved without loss of workability.

Standards

Novo Plast R: It complies with ASTM C-494 Type D.

Field of Uses

Novo Plast R used where high quality concrete is required in difficult conditions, such as:

- High temperatures.
- Large Pours like Ref to decks, slabs.
- Long hauls.
- Ready- mix concrete.
- Waterproof concrete.
- Pre-stressed concrete.

Advantages

Novo Plast R provides the following properties:

- Increased setting times at elevated temperatures.
- Long-lasting control of slump at high temperature.
- Improved workability without increased water content.
- Reduced water without loss of workability.
- Increased strengths.
- Reduced shrinkage and creep.
- Improved surface finish.
- Chloride free-does not attack reinforcement

Physical Properties @25 C°

Discretions	Value
Appearance	brown liquid
Density	(1.195 ±0.005) kg / L
Chloride content	NIL
Shelf life	6 Months in suitable storage conditions

Directions of Use

Novo Plast R dose is 0.7 – 1.2 Lit/ 100 Kg cement. Actual dosage rate required is dependent on: effect sought quality of cement & aggregates, water/ cement ratio and ambient temperature. In many cases it is advisable to carry out trial mixes to establish the exact rate required.

Dispensing:

Novo PlastR: should be dispensed directly into the mixing water prior to its addition to the dry mix.

Important Notes:

- High care to determine the dosage of **Novo Plast R** when used with SRC because **Plast R** may highly retard the setting time of SCR concrete based on the chemical components of the cement.
- **Novo Plast R** When accidental overdosing occurs, this will have the effect of extending the setting time.

During this period the concrete must be kept moist in order to prevent premature drying out.

Packages

Cubic 1000 liter / or as customer requirements.

Storage Conditions

Provided the temperature is kept within the range 5 °C to 45°C. If this temperature is exceeded in any respect advice should be sought from the supplier.

Precautions & Safety

Novo Plast R: is non - flammable and non-toxic, wash any splashes to the eyes immediately with water, and medical advice should be consult.