



An ISO 9001 : 2000 Company

**MANUFACTURER OF CONSTRUCTION CHEMICALS**



## SETPLAST 340 (PQC)

### PRODUCT DATA SHEET

**SUPER PLASTICIZER FOR PAVEMENT QUALITY CONCRETE.**

#### DESCRIPTION:

**Setplast 340 (PQC)** is a Sulphonated Naphthalene Formaldehyde based, High range water reducer cum slump retainer cum retarding plasticizer specially suitable for concreting for hot climate conforming to IS 9103 - 1999 and ASTM C 494.

#### USES:

**Setplast 340 (PQC)** is recommended for use in Floor Slabs, Foundation and Slender Components with packed Reinforcement, Column, Beams Ceiling and Pavement Quality Concrete.

#### ADVANTAGES:

- Improves workability of concrete mixes without addition of extra water.
- Improves the retention of high workability with time without excessive retardation of set.
- Reduces permeability.
- Produces flowable concrete.
- Extends the setting time.
- Water reduction up to 20 %.
- Significant increase in ultimate strength.
- No advances Shrinkage effects.

#### APPLICATION:

The recommended dosage range is 0.5 to 1.5 % by weight of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required. It is compatible with all types Portland cement. **Setplast 340 (PQC)** is added to part of the mixing water prior to its addition to wet aggregate cement mix.

#### PROPERTIES:

Form	Brown liquid.
Specific gravity	1.19 ± 0.02
Chloride content	0.05 % (Maximum)
Air Entrainment	1 to 2 % additional air is entrained.

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