



An ISO 9001 : 2000 Company

MANUFACTURER OF CONSTRUCTION CHEMICALS



SETPLAST 140

PRODUCT DATA SHEET

NORMAL PLASTICIZER CUM WATER REDUCING CONCRETE ADMIXTURE.

DESCRIPTION:

Setplast 140 is a Ligno Sulphonate based normal plasticizer cum water reducer conforming to IS: 9103-1999 and ASTM C 494 Type A.

USES:

Setplast 140 is recommended for use in floor slabs, foundation, column, beams, ceiling & pavement.

ADVANTAGES:

- Setplast 140** is a low cost water reducer, which can be used to get one or combination of benefits:
- As a water reducer: (for increased strength) Reduction in the water cement ratio to maintain designed workability, increased strength. The concrete is also denser with lower permeability.
 - As a workability aid: Increased workability can be achieved by using **Setplast 140** for a given water cement ratio which will increase the flow characteristics of the concrete leading to easy placement, compaction and finishing.
 - Reduction of cement content: **Setplast 140** can be used to reduce cement content to the extent of 8 to 10% by maintaining the original strength specified and workability and reducing the water content required for the given mix.

APPLICATION:

Setplast 140 is added to part of the mixing water prior to its addition to wet aggregate cement mix. 0.3 to 0.5% 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 of Portland cement.

PROPERTIES:

Aspect	Dark brown liquid
Specific Gravity	1.16 ± 0.02 at 27 deg. C
Chloride content(%)	0.1 (maximum)
Air Entrainment	< 1% additional air is entrained.

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