

Description:

Sterling TechFlow® SP 200 is a synthetically produced liquid, water-reducing & retarding admixture for concrete that has been formulated to give optimum performance in reducing water requirements for concrete. Sterling TechFlow® SP 200 does not contain calcium chloride or other potential corroding materials; therefore, it may be used in pre stressed concrete or in the presence of aluminum or zinc imbedments. It is compatible with air-entraining agents, water proofers and calcium chloride, but they must be added separately to the mix.

Usage:

- Flatwork concrete
- General ready mix concrete
- Architectural concrete
- Hot weather concrete
- Mass concrete pours
- Pumped concrete
- Concrete containing Slag/ Pozzolans

Features & Benefits:

- Improves finishability & workability
- Improves finished appearance
- Reduces water requirements
- Retards setting characteristics
- Reduces segregation
- Reduces cracking
- Reduces permeability
- Increases all strengths
- Improved durability
- Reduced thermal peaks

Consistency:

Sterling TechFlow® SP 200 is formulated from carefully selected raw materials and is manufactured under controlled strict quality condition to produce a consistent product.

Workability:

TechFlow® SP 200 ensures that rheoplastic concrete remains workable in excess of 40-45 minutes at 25°C. Workability loss is dependent on temperature, and on the type of cement, the nature of aggregates, the method of transport and initial workability. It is strongly recommended that concrete should be properly cured particularly in hot, windy and dry climates.

Application Instructions:

Dosage:

The optimum dosage of Sterling TechFlow® SP 200 should be determined by site trial with the particular concrete mix. As a guide, a dosage range of 0.5% to 1.5% per 100kg of cementitious material is recommended. This dosage range applies for most concrete mixtures using typical concrete ingredients. However, variations in job conditions and concrete materials, such as silica fume, may require dosages outside of the recommended range. Overdosing of Sterling TechFlow® SP 200 may result into segregation / bleeding of mix, delayed initial, final set, increased plastic shrinkage and air-entrainment, etc.

Method of use:

TechFlow® SP 200 is supplied ready for use. For maximum dispersion throughout the mix, measured quantity of TechFlow® SP 200 should be added directly into the mixer at the same time as the mixing water. TechFlow® SP 200 Admixture should not be added to the dry cement or mix.

Typical Properties at 25°C:

Appearance	Dark brown free flowing liquid
Specific Gravity IS 9103:2007	1.15 ± 0.02 at 25°C
Chloride Content	< 0.2%
PH Value	> 6
Standard	complies with IS 9103:1999, and ASTM C-494 Type B, D & G

Packaging:

Sterling TechFlow® SP 200 available in 250 Kg plastic container.

Storage & Shelf Life:

Sterling TechFlow® SP 200 must be stored within moderate temperature, under cover, away from direct sunlight. The shelf life is 12 months from the date of production under suitable storage conditions.

Health & Safety Instructions:

Sterling TechFlow® SP 200 is formulated from chemicals which present no fire or health hazards. Does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn.

Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals. Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area.

*Further protection: Emergency showers and eyewash stations. Get immediate medical attention as needed.

Additional Information: Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

*Separate datasheet are available on these products.

Disclaimer: The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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STERLING TECHNO TRADE INDIA PRIVATE LIMITED

The Specialist Construction Chemical Company®

Head Office: 109-111-112, 1st Floor, Vijaya Building, No. 17, Barakhamba Road, Connaught Place, New Delhi- 110001

Manufacturing Unit: Plot No-J-3, UPSIDC Site C, Surajpur Industrial Area, Greater Noida, Uttar Pradesh 201306

WEB: sterlingtechnotrade.com | **EMAIL:** support@sterlingtechnotrade.com | **TEL:** 01145084212