

ConFlow® 6160

PCE (Polycarboxylic Ether) based Retarding Superplasticiser for Concrete

Description:

Sterling ConFlow® 6160 is an admixture of a new generation based on modified polycarboxylic ether, retarding admixture for concrete that has been formulated to provide increase working time and better workability, higher durability and reduce shrinkage and permeability. Sterling ConFlow® 6160 does not contain calcium chloride or other potential corroding materials; therefore, it may be used in pre stressed concrete or in the presence of aluminium or zinc embedment's. It is compatible with air-entraining agents, water proofers and calcium chloride, but they must be added separately to the mix.

Application:

- General ready-mix concrete
- Pumped concrete
- Long-distance transporting
- High workability without segregation or bleeding
- High performance concrete for durability
- Congested/complex reinforced sections
- Mixes requiring >18% water reductions

Features & Benefits:

- High workability for longer periods
- Resistance to segregation even at high workability
- Extended setting with longer workability
- Reduced water content for a given workability
- Lower pumping pressure
- Higher ultimate strengths
- Increased ease in finishing concrete
- Good dispersion even in mixes with high fines

Packaging:

Sterling ConFlow® 6160 is available in 225 Kg HDPE plastic container.

Consistency:

Sterling ConFlow® 6160 is formulated from carefully selected raw materials and is manufactured under controlled strict quality condition to produce a consistent product.

Storage & Shelf Life:

Sterling ConFlow® 6160 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.

Typical Properties At 25°C:

Appearance:	Light brown or Pale Yellow liquid
Specific Gravity IS 9103:2007	1.05 ± 0.02 at 25°C
Chloride Content:	< 0.2%
PH Value:	> 6 at 25°C
Standard:	Complies with IS 9103:1999, and ASTM C-494 Type G
Compatibility:	Can be used with all types of Portland and slag cements including sulphate resisting cement and Pozzolans, e.g., Micro silica, fly ash, GGBFS, etc.

* The uniformity parameters like specific gravity, pH, chloride content etc. will vary for specific site requirements and mix design. Please refer to our MTC issued for specific product configuration for measuring our product parameters that will be constantly and consistently administered.

Instructions & Usage:

Sterling ConFlow® 6160 is supplied ready for use liquid which is dispensed into the concrete together with the mixing water. The plasticising effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added. For maximum dispersion throughout the mix, measured quantity of Sterling ConFlow® 6160 should be added directly into the mixer at the same time as the mixing water. Sterling ConFlow® 6160 Admixture should not be added to the dry cement or mix. Thorough mixing is essential and a minimum mixing cycle, after the addition of the. Sterling ConFlow® 6160, of 60 seconds for forced action mixers is recommended.

Dosage:

The optimum dosage of Sterling® ConFlow®6160 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.

Effects Of Overdosing:

Overdosing of Sterling® ConFlow®6160 may result into segregation / bleeding of mix, delayed initial, final set, increased plastic shrinkage and air-entrainment, etc.

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

Health & Safety Instructions:

Sterling® ConFlow®6160 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. 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.

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.

Edition: 02/2018/001 Identification No: PD-192
This datasheet supersedes all previous versions.

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