

# FLOWMAX® 9036

High-performance Super Plasticiser Based On PCE (Polycarboxylic Ether) For Concrete.

## Description:

**Sterling™ FlowMax® 9036** is a new generation high efficiency low addition rate admixture based on modified polycarboxylic ether with long main chain-specially designed to reduce water demand in the mix & enable the water content of the concrete to perform more effectively. Sterling™ FlowMax® 9036 specially developed to cater to the requirements of producer of high-grade concrete with fluid concrete mix and fulfill the requirement of desire workability.

Sterling™ FlowMax® 9036 is chloride-free and compatible with all types of cement. The unique mechanism of action of polycarboxylic ether present in Sterling™ FlowMax® 9036 greatly enhances the effectiveness of cement dispersion because of its typical molecular structure, having long side chains.

## Application Includes:

Sterling™ FlowMax® 9036 is recommended for use in the following areas of application:

- 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
- Improved durability

## Packaging:

Sterling™ FlowMax® 9036 is available in 225 Kg plastic container.

## Storage & Shelf Life:

Sterling™ FlowMax® 9036 has a shelf life of 12 months if kept in dry store in its original packaging. High temperature and humidity storage may reduce this period.

## Method of use:

Sterling™ FlowMax® 9036 is supplied ready for use. For maximum dispersion throughout the mix, measured quantity of Sterling™ FlowMax® 9036 should be added directly into the mixer at the same time as the mixing water. Sterling™ FlowMax® 9036 Admixture should not be added to the dry cement or mix.

## Workability:

Sterling™ FlowMax® 9036 ensures that rheoplastic concrete remains workable in excess of 2 hours 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.

## Consistency:

Sterling™ FlowMax® 9036 is formulated from carefully selected raw materials and is manufactured under controlled strict quality condition to produce a consistent product.

## Dosage:

The optimum dosage of Sterling™ FlowMax® 9036 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™ FlowMax® 9036 may result into segregation / bleeding of mix, delayed initial, final set, increased plastic shrinkage and air-entrainment, etc.

## Typical Properties at 25°C

<b>Appearance</b>	Pale yellow free flowing liquid
<b>Specific Gravity IS 9103:2007</b>	1.05 ± 0.02 at 25°C
<b>Chloride content</b>	< 0.2%
<b>PH Value</b>	> 6
<b>Standard</b>	Complies with IS 9103:1999, and ASTM C-494 Type G

## Health & Safety Instructions:

Sterling™ FlowMax® 9036 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.

---

Edition: 08/2018/001 Identification No: PD-193  
This datasheet supersedes all previous versions.

---

**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.

**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.

---

# STERLING TECHNOTRADE 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