

MYK SAVEMIX SP 111

High Performance, High Range Water Reducing & Retarding Admixture

Technical Data Sheet

Product Description:

MYK Savemix SP 111 is supplied as a brown liquid instantly dispersible in water. MYK Savemix SP 111 has been specially formulated to give high water reductions up to 20% without loss of workability or to produce high quality concrete of reduced permeability.

Uses:

- Suitable for high performance concrete
- To produce pumpable concrete
- To increase workability without extra water
- To improve cohesion, minimizing segregation and give better finish.
- Chloride free, safe for use in prestressed
- Can be used with concrete containing microsilica and their cement replacements.

Advantages:

- Improved workability - Easier, quicker placing and compaction.
- Increased strength - Provides high early strength if water reduction is taken advantage of.
- Increased quality - Denser, close textured concrete with reduced porosity and hence enhanced durability.
- Higher cohesion - Risk of segregation and bleeding minimized; thus aids pumping of concrete

Standards Compliance:

MYK Savemix SP111 complies with IS: 9103:1999 & BS: 5075 Part 3 - 1985, and ASTM-C494M -99a, 1999 Type 'G' as a high range water reducing admixture.

Properties:

Specific Gravity : 1.20 + 0.05 at 27°C
Chloride Content : Nil to BS5075
Air entrainment Less than 1 % additional air is entrained

Mix Design:

MYK has an advisory service on Concrete Mix Design and can be contacted if assistance is required.

Compatibility: Can be used with all types of cements except high alumina cement. MYK Savemix SP 111 is compatible with other MYK admixtures when added separately to the mix. Site trials should be carried out to optimize dosages.

Workability: Can be used to produce flowing concrete that requires no compaction. Some minor adjustments may be required to produce high workable mix without segregation.

Cohesion: Cohesion is improved due to dispersion of cement reinforced concrete particles thus minimizing segregation and improving surface finish.

Compressive Strength: Early strength is increased up to 40 to 50% if water reduction is taken advantage of. Generally, there is improvement in strength up to 20% depending upon W/C ratio and other mix parameters.

Durability: Reduction in W/C ratio enables increase in density and impermeability thus enhancing durability of concrete.

Application Instructions:

Dosage

The optimum dosage is best determined by site trials with the concrete mix which enables the effects of workability, Strength gain or cement reduction to be measured. Site trials with MYK Savemix SP111 should always compared with mix containing no admixture. As a guide, the rate of addition is generally in the range of 0.6 - 2% by weight of cement.

Over Dosing:

An over dose above the recommended level of admixture may result in high workability, air entrainment and retardation of setting time depending on the ambient temperature of cure.

As such, more than the recommended dosage may be used if necessary by ascertaining the performance in the lab trials only before using in actual site conditions.

Dispensing:

The correct quantity of MYK Savemix SP111 should be used by means of a dispenser. The measured quantity of MYK Savemix SP111 should be added along with a part of gauging water in case of batching plants. Alternatively, correct dosage should be used with about 20% of the total water in the last phase after the mix has been prewetted.

Packing: 200 , 225 & 250 Kgs

Precautions:**Health & Safety:**

MYK Savemix SP111 is non-toxic. Any splashes on the skin should be washed immediately with water. Splashes to the eyes should be washed immediately with water and medical advice should be sought.

Fire:

MYK Savemix SP111 is non flammable.

Quality Policy:

The information given in the data sheet is based on the years of experience, and found correct to the best of our knowledge. However the success of the product & its application is dependent on many external factors. We are fully assured of our products quality at the time of dispatch. As we are constantly endeavoring to enhance the qualities of our products which may reflect changes in the data sheets. Hence in the event of any doubt on critical parameters it is advisable to consult our technical department

Technical Support:

Technical information regarding Schomburg range of products can be obtained from the technical cell of MYK Schomburg

Note:

Information in this technical data sheet is to the best of our knowledge true and accurate. However, such conditions under which our products may be used are beyond our control, recommendations

MYK SCHOMBURG INDIA PVT LTD
(An Indo-German JV)
8-2-703/A, 3rd Floor, Leela Gopal Towers,
Road No. 12, Banjara Hills,
Hyderabad -500 034
Tel: +91 40 3040 0000
Email: mykschomburg.com
www.mykschomburg.com