



HYFIX ADMIX

CHEMICAL WATERPROOFING ADMIXTURE

- Waterproofing for the life of concrete
- Provides enhanced cement hydration
- Easy to use

DESCRIPTION

HYFIX ADMIX is a high quality silica based concrete admixture providing a water-blocking body within the concrete matrix through chemical reactions at molecular levels. **HYFIX ADMIX** offers unique chemistry ensuring enhanced efficiency as the system is exposed to water.

TYPICAL APPLICATIONS

- Foundation bearing walls
- Concrete piles
- Concrete marine structures
- Pier concretes
- Water channels, reservoirs, swimming pools
- Tunnels and subway systems
- Wastewater sewage treatment plants
- Precast concrete applications

ADVANTAGES

- Provides easy and reliable waterproofing in retaining wall concrete works with single sided formwork.
- Provides water impermeability during the service life, becomes an integral part of the concrete.
- Highly resistant against aggressive chemicals.
- Increases compressive strength of concrete up to 8-12 %.
- Allows concrete to breathe.
- Enhances cement hydration.
- Non-toxic.
- Excellent resistance against hydrostatic pressure from the positive or the negative sides.
- Easy to use.
- Economical.

PROPERTIES

Density: 1.84 ±0.05 kg/ltr

Application Temperature : Under any temperature that allows concrete works

Mix Ratio: 8.0 lt/16kg

By Volume: 1 unit of water : 2 unit of powder

Mixing: 5 - 6 minutes in bucket; at least 5 minutes in transmixer drum

DIRECTIONS FOR USE

- **HYFIX ADMIX** consumption rate shall be maximum 2% of the cement dosage by weight, not exceeding 7 kg/m³

READY MIX CONCRETE

- Depending on the amount of cement dosage of concrete in the mixer drum, add recommended amount of **HYFIX ADMIX** (50% of

water by weight; approximately 8 lt. water for one bag) and mix with a low speed mixer into a lump free, homogenous, thin slurry. Pour the mixture into the drum of the ready-mix truck. Mix again in the transmixer for a minimum period of 4-5 minutes, ensuring that the **HYFIX ADMIX** is thoroughly and uniformly dispersed throughout the concrete

WATCHPOINTS

- The maximum amount of **HYFIX ADMIX** for 1 m³ shall not exceed 7 kg.
- The cement dosage in the concrete mixture should be determined on the basis of optimum dosages specified in the standards.
- Do not add **HYFIX ADMIX** powder into the drum directly.
- In order to achieve high efficiency from the concrete containing **HYFIX ADMIX**, pores, cavities and capillaries within the concrete structure should be minimized. For this purpose the concrete vibration must be performed in accordance with its technique.
- After concrete is cast, cure with water in accordance with its technique.

CONSUMPTION

HYFIX ADMIX is added at the rate of 2% of the cement dosage.

PACKAGING

16 kg craft bag

STORAGE AND SHELF LIFE

Store in dry and cool locations. Shelf life is 12 months under suitable storage conditions.

HEALTH AND SAFETY

As with all chemical products care should be taken during use and storage. Avoid contact with food, skin, clothes, eyes and mouth. If accidentally ingested seek immediate medical attention. In case of contact with skin or eyes, wash with a plenty of water and soap. Should be kept away from children. Reseal containers after use. Please consult Material Safety Data Sheet (MSDS) for further information

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