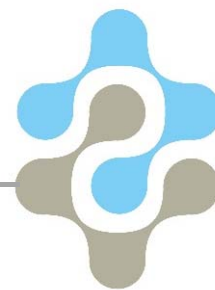


Adiv PC110LA

High performance concrete superplasticizer



Description

Adiv PC110LA is a high performance super plasticizing admixture based on poly carboxylic ether polymers with long chains specially designed to enable the water content of the concrete to perform more effectively.

This effect can be used in high strength concrete and flowable concrete mixes, to achieve highest concrete durability and performance.

Technical Properties @ 25 °C:

Colour : Pale yellow / clear

Freezing point : ≈ -1 °C

Specific gravity : 1.05 ± 0.02

Air entrainment : Typically less than 2% additional air is entrained above control mix at normal dosages.

Dosage

The guidance dosage of Adiv PC110LA is 0.30 - 2.30 litre per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of Adiv PC110LA to meet the performance requirements by using the materials and conditions in actual use.

Compatibility

Adiv PC110LA can be used with all types of Portland cement and cement replacement materials.

Adiv PC110LA should not be used in conjunction with other admixtures unless ADIV technical department approval is obtained.

Standards

Adiv PC110LA complies with IS 9000:2015 and ASTM C494, Type A and G.

Areas of Applications

- High strength and high performance concrete.
- Structures with congested reinforcement.
- Excellent retention.
- Improved cohesion allow for use in mass concrete
- Pours and piling.

Advantages

- Optimises cement utilization.
- High density and impermeable concrete through very high water reduction.
- Improves shrinkage and creep behaviors.
- Minimises segregation and bleeding problems by improving cohesion.
- Higher early and ultimate compressive strengths.
- Increases durability and resistance to aggressive atmospheric conditions thorough reduced permeability.

Method of Use

Adiv PC110LA should be added to the concrete with the mixing water to achieve optimum performance.

An automatic dispenser should be used to dispense the correct quantity of Adiv PC110LA to the concrete mix.

Effects of Over Dosage

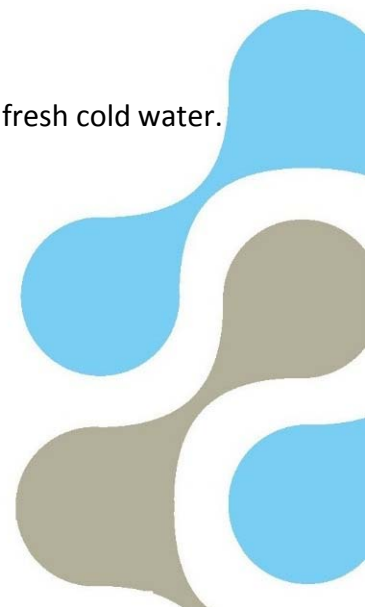
Over dosing of Adiv PC110LA will cause the following:

- Significant increase in retardation and setting.
- Increase in workability.

Ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

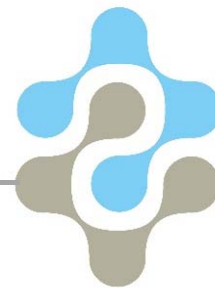
Cleaning

Adiv PC110LA can be washed with fresh cold water.



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Packaging

Adiv PC110LA is available in 225 kg drums.

Storage

Adiv PC110LA has a shelf life of 12 months from the date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, ADIV Technical Department should be contacted for advice.

Cautions

Health and Safety

Adiv PC110LA is not classified as hazardous material. Adiv PC110LA should not come into contact with skin and eyes.

In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

For further information refer to the Material Safety Data Sheet.

Fire

Adiv PC110LA is nonflammable.



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Note: Adiv products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All Adiv datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version. We endeavour to ensure that any advice, recommendation or information we may give in our literature is accurate and correct. However, due to the fact that we have no direct or indirect control over the product utilisation, Adiv cannot accept any liability arising from the use of the product.

02-2021

