

TRI- MIX WP

Water reducer and water proofing.

Description

Tri-MIX WP Is a chloride free water reducer and water proofing admixture based on selected organic polymers. It supplied as a brown solution which instantly disperses in water.



Standard compliance

- ASTM C494 (Type A)

Typical uses

- Producing low permeability concrete and water proofing concrete.
- Increase workability without extra water.
- Improves cohesion and minimizing segregation.
- Improving surface finish.
- Reducing water - cement ratio
- Enhancing durability.
- Chloride free, safe for use in reinforced concrete.

Dosage

The optimum dosage should be determined by trials using the normal dosage range 0.4 to 0.8 liter/100 Kg of cementitious materials.

Technical Data @°25c

Appearance	brown liquid
Density	1.13 ± 0.02 kg / L
Chloride content	NIL
Compatibility	All types of Portland cement

Dosage

Tri-Mix WP can be used outside the typical dosage range mentioned above if necessary and suitable to meet particular mix requirements.

Directions for use

Mix design for water proofing and workability retention:

To obtain the best results for workability retention, the initial workability should be suitable as pump mix, **Tri-Mix WP** act to enhance the workability retention characteristics and improve cohesion.

After initial trials, minor modifications to the mix design may be made to optimize performance.

Directions for use

Tri-Mix WP can be used with all types of Portland cements, and cement replaced materials such as PFA and microsilica.

Tri-Mix WP can be used with other admixtures provided, it is not pre-blended prior to addition to concrete.

An overdose of **Tri-Mix WP** will help to increase in retardation as compared to the normally obtained.

The ultimate strength of the concrete will not be impaired provided that adequate curing is maintained.

Overdose is also likely to cause increase air entrainment which will tend to reduce strength. The degree of this effect will depend on the particular mix design and overdose level.

Package

- **Tri-Mix WP** : available in 20 Lt, 200 Lt drums, and 1000 Lt bulk supply.

Storage conditions

- Store the material in a cool, dry and covered place.
- Temperature should not exceed 35 °C.
- Do not expose the pails to direct sunlight and keep away from all sources of heat.
- 12 months in dry conditions at temperatures between +5 °C and +45

Shelf life

- Has a shelf life of 12 month stored in dry and cool place

Cleaning

Tools should be cleaned immediately with water after use.
Hardened material can only be removed mechanically.

Sustainability and environmental accountability

• TRI-CHEM's Environmental sustainability is the accountability to conserve natural resources and protect global ecosystems to support health and well-being for this a more positive approach is that accountability guides the actions of power-holders towards more socially and environmentally sustainable results.

Technical support

- For any technical support, please contact TRI-CHEM technical office or representatives.

Health and safety responsibility

- Workplace health and safety is all about sensibly managing risks to protect TRI-CHEM's workers and business.
- ISO 45001 is a systematic health and safety management is characterized by strong leadership involving managers, workers, suppliers, contractors and customers and also health and safety management is an essential part of the movement towards sustainable development.
- Spillages should be washed down immediately.

- PPE in accordance with the health and safety rules should be used during the materials application.
- For irritant effects of the non-cured material, avoid contact with skin and eyes during storage and application.

Institutional Excellence and quality performance

- Institutional excellence in TRI-CHEM refers to achieving high levels of performance, quality and effectiveness in all aspects of TRI-CHEM company's work, it involves a systematic and continuous effort to improve an organization's performance by applying best practices, innovative approaches and evidence-based strategies, institutional excellence spans various areas, such as training , research, innovation, community engagement, governance, management and sustainability, and involves setting high standards, measuring performance against these standards and continuously improving performance to meet or exceed these standards, excellence in TRI-CHEM also includes a culture of continuous improvement and learning, where everyone in the organization is committed to achieving the organization's goals, working together to find solutions to challenges and opportunities, and requires a collaborative approach that includes all stakeholders.
- All products originating from TRI-CHEM facility are manufactured under a quality management system independently certified to conform the requirements of the quality standards (ISO 9001:2015).

Disclaimer

- While TRI-CHEM guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control.
- TRI-CHEM is recommended to verify with TRI-CHEM that the product is suitable for the intended use, and that this data sheet version is the latest one.
- TRI-CHEM may modify it without prior notice and technical characteristics are listed for guidance only.
- Any specification, recommendation or information mentioned in this product data sheet is (to TRI-CHEM's best knowledge) true and reliable.
- However, because TRI-CHEM has no influence on the application method of these products and the care taken, the company cannot accept any liability arising from the use of its products. TRI-CHEM's warranty is therefore limited to the quality of the materials supplied which are guaranteed against defective materials.

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