

Water-reducing & waterproofing concrete admixture

DESCRIPTION

DUCONMIX WPR 700 is a single-component, polymer-based liquid admixture designed to reduce water demand while improving the workability, strength and durability of concrete and mortar. It provides integral waterproofing by reducing water penetration, making it suitable for residential, commercial and infrastructure applications.

RECOMMENDED USE

- Ready-mix concrete
- Precast concrete
- Residential, commercial and infrastructure projects
- Basements, foundations and retaining walls
- Water tanks, tunnels and sea walls
- Roof slabs and structural concrete
- Cement mortar and plaster

FEATURES AND BENEFITS

- Single-component liquid admixture
- Low dosage requirement
- Reduces water demand
- Improves workability and pumpability
- Reduces segregation
- Enhances compressive strength
- Improves durability and waterproofing

PRODUCT INFORMATION

Standard Compliance	IS 2645, IS 9103, ASTM C494 Type A
Chemical Base	Specially formulated polymers
Recommended Dosage	0.2–0.8% by weight of cement
Water Reduction	Up to 15%
Waterproofing	Integral waterproofing
Chloride Content	Chloride-free
Working Time	Approx. 25–30 min
Packaging	1 L Pail
Shelf Life	12 months

APPLICATION PROCEDURE

General

DUCONMIX WPR 700 shall be used in accordance with recommended application guidelines and should only be added by trained and qualified personnel.

Preparation

Ensure that all concrete ingredients are clean and accurately batched. Determine the optimum dosage by trial mixes based on the required workability, strength and performance.

Mixing Procedure

DUCONMIX WPR 700 is supplied ready for use and shall be added to the concrete together with the mixing water. For optimum performance, add the admixture after **50–70%** of the mixing water has been introduced into the mixer. Do not add the admixture directly to dry cement or aggregates. Continue mixing until a uniform and homogeneous concrete mix is obtained.

Placing

Place, compact and finish the concrete in accordance with good concreting practice. Maintain a **water-cement ratio of 0.40–0.60** and ensure proper compaction to achieve optimum waterproofing performance.

Curing

Cure the concrete immediately after finishing using an appropriate curing method to minimize moisture loss and achieve the required strength and durability.

Precautions

Wear suitable PPE during handling, avoid contact with eyes and skin, keep the product away from foodstuffs, reseal containers after use, and refer to the SDS/MSDS before use.

Statement of Responsibility (Disclaimer)

The technical information and application advice are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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Ducon Polymer Flooring (DPF)

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