

# BP-MegaAdd WL1

Integral Waterproofing Admixture for concrete and mortar

## Description

**BP-MegaAdd WL1** is integral waterproofing admixture in brown liquid form which is evenly waterproofing compound composed of surface active plasticizing agents, polymers & additives. It is used as an additive for cement concrete, mortar & plasters. It makes concrete cohesive and minimizes segregation and bleeding. **BP-MegaAdd WL1** waterproofs by improving the quality of the concrete or mortar. It reduces the water demand for required workability of concrete.

## Standards

IS 9103 & IS 2645

## Application Area

**BP-MegaAdd WL1** may be used to waterproof concrete structures such as reservoirs, tunnels, culverts, water tanks, swimming pools and other areas where waterproofed concrete or mortar or plaster is required.

## Advantages

- ✓ Reduces permeability
- ✓ Improves workability
- ✓ Improves durability by improving waterproofing of concrete.
- ✓ Compatible with all types of cements
- ✓ Makes concrete more cohesive, hence protects steel better against corrosion
- ✓ Reduces shrinkage
- ✓ Non toxic

## Typical Properties

Property	Test Method	Value
Component		Single
Form		Powder
Colour		Brown
Specific Gravity	ASTM C494	1.16 +/- 0.02
Air-entrainment	ASTM C231	Up to 1% over Control mix
Chloride Content	BSEN 480-10	Nil to BSEN 934-2
pH	ASTM C494	7-9
Water Absorption	BS 1881-122	30% to 40% improvement over control*
Compressive Strength	BS 6319-2 ASTM C494	10-15% increase over control

\* When added at 0.8% dosage in standard mix, Consult with experts of Conpacmix (BD) Ltd.

## Compatibility

**BP-MegaAdd WL1** can be used with all types of cements and cementitious material like fly ash, GGBS, micro silica etc. It is compatible with most admixtures.

## Dosage

Recommended dosage is 0.3 - 1.0% by weight of cementitious material. Higher dosage can be used after verification by conducting lab and site trials. Optimum dosage of **BP-MegaAdd WL1** and effect on concrete properties such as workability,

strength, setting time, etc. are best assessed after preliminary tests on site using the actual materials of mixes under consideration.

## Application Guidelines

- Charge cement, aggregates and sand for concrete/ cement and sand for mortar and dry mix for 1-2 minutes.
- Add 50-70 % of required water and mix it for 2-3 minutes.
- **BP-MegaAdd WL1** is added as per the recommended dosage into the remaining mixing / gauging water, then add to concrete mixer & mix for approx. 3 minutes to achieve homogenous mix.
- Pour the mixture on a tray and use as per requirement and lay the concrete or apply plaster.
- Cure the applied mortar or concrete as per good construction practices.

## Precautions & Limitations

- ✓ Do not add **BP-MegaAdd WL1** directly to dry cement & aggregate mix.
- ✓ Maintain water-cement ratio as low as possible.
- ✓ Do not increase the dosage of **BP-MegaAdd WL1** than the recommendation.

## Effect of overdosing

Overdosing may result in increased workability and slightly retarding effect. In such cases, provided concrete is cured properly, ultimate strength will be higher than that of normal concrete.

## Dispensing

**BP-MegaAdd WL1** should be directly dispensed into the concrete mixer together with the mixing water.

## Curing

**BP-MegaAdd WL1** mixed concrete should be cured just after initial setting with water or with a suitable curing agent form **BP-JetCure** range of curing compounds.

## Packaging

4 kg, 10 kg , 20 kg & 200 kg.

## Storage & Shelf-life

12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.

## Cleaning

Clean all equipments and tools with water immediately after use. Hardened material can be removed mechanically.

## Health and Safety

This product contains cement powders which, when mixed with water or upon becoming damp, release alkalis that can be harmful to skin. During use, avoid inhalation of the dust and contact with the skin or eyes. Gloves, goggles and suitable



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mask must be worn. Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately. Regarded as non-hazardous for transportation. Do not reuse containers. To be disposed off as per local rules and regulations.

## Quality & Care

Conpacmix (BD) Ltd acquired German technology for an updated production facility and set up a state

of the art laboratory facility for conducting regular quality assessments on raw materials procured and finished products. Process from procurement of raw materials to finished products, are managed by qualified and experienced engineers, chemists and technicians.

**Note:** Field service where provided does not constitute supervisory responsibility. Suggestions made by **Conpacmix (BD) Ltd.** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **Conpacmix (BD) Ltd.**, are responsible for carrying out procedures appropriate to a specific application.

Manufacture:

