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BestFlow WP308

Waterproofing concrete admixture.

Description:

- BestFlow WP308 is a waterproofing admixture for concrete with the main ingredients including active polymer blends used to mix directly into concrete during construction.
- BestFlow WP308 with dual use is both a plasticizer and a very effective waterproofing agent for concrete.
- BestFlow WP308 is an ASTM C494 class A and B compliant product.

Recommended uses:

BestFlow WP308 is used for structural concrete and large block concrete with waterproof functions such as:

- Concreting underground items in the ground such as foundations, bridge piers, etc., to protect the reinforcement from damage caused by oxidative and aggressive corrosion. Especially in seawater, alum, and sulfate environments.
- Swimming pools, domestic water tanks, wastewater treatment tanks.
- Water supply and drainage pipes.
- Basement, basement wall, garage parking.
- Waterproofing mortar for terraces, balconies, senoes, and gutters.
- Floor, warehouse floor, civil storage yard, industrial warehouse.

Advantages:

- Long-term waterproofing ability, increasing the life of the building and limiting the aging of the permeable membrane over time of use.
- No loss of dot properties when subjected to mechanical impact or abrasion.
- High plasticity of mortar and concrete, easy to apply, compact, and plaster.
- Increase the density of concrete, and improve the surface finish quality.
- Minimizes surface cracking due to plastic shrinkage during curing.
- Significantly increase the ultimate compressive strength of concrete.
- Increase the life of the work, and protect the reinforcement from corrosion, rust, and rust due to dampness for underground works as in the case of surface waterproofing.
- Non-toxic to human health, does not pollute domestic water when in direct contact with concrete, or mortar using BestFlow WP308.
- Does not contain chloride, so it can be used without restriction for reinforced concrete structures.
- Suitable for weather conditions in Vietnam.

PRODUCT INFORMATION

Supplies form:	Viscous liquid, appearance as light brown.
Chemical composition:	Active polymer blends.
Packaging:	210 liters/ barrel, 1000 liters/ tank.
Storage condition:	Dry and cool place. Avoid frost and direct sunlight.
Shelf life:	12 months in unopened condition.

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Compatibility: BestFlow WP308 is compatible with all Portland cements, including Sulphate resistant cements.

GUIDE TO APPLICATION

Consumption:

Mixing at site:

- Use range **0.50 ÷ 1.20 liters/100 kg of cement**. The optimal dosage is **1.0 liters per 100 kg of cement**.
- To ensure satisfactory waterproofing, the minimum cement content for 1m³ of concrete is 350 kg and the water/cement ratio is 0.50.

Mixing at the batching plant (ready-mixed concrete):

- If ready-mixed concrete with a transit time of more than 30 minutes, BestFlow WP308 should be used in combination with a superplasticizer, maintaining the BestFlow R332 slump at the following consumption:

BestFlow WP308: 1.0 liters per 100 kg of cement.

BestFlow R332: 0.8 liters per 100 kg of cement.

Mixing: BestFlow WP308 should be added directly to the pre-mixed concrete mix with 80% of the required mixing water and mixed for a minimum of 5 minutes or 80 revolutions of the mixing tank.

Incorrect dosage:

Less than: Reduces the workability and waterproofing performance of concrete depending on the degree of deficiency of the actual specific use.

Greater than: Prolong the construction time and setting time of concrete. However, the ultimate compressive strength and waterproofing performance of the concrete do not degrade.

Cautions: Pre-testing is recommended for each intended use and item-specific requirements. Read the instruction manual carefully before use

Cleaning: Use water and soap to clean tools and equipment after construction.

Health and safety: BestFlow WP308 is alkaline, so it can cause skin allergies when exposed for a long time. Gloves, masks and goggles should be worn when using the product. When falling into eyes, nose, mouth, wash immediately with clean water several times before going to the nearest medical facility for timely and proper treatment.

Disclaim: *The technical information and application advice given in this BESTMIX publication are based on the BESTMIX's current knowledge and practical experience. As the information here is only describes the general nature properties of the product, so users should test the product for purpose individually. BESTMIX has the right to change the features of our product, user must always refer to the latest update.*

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