

BestSeal B12

Waterproofing cement miscible compound, high elasticity, anti-surface cracking

Description: BestSeal B12 is both inorganic and organic modified co-polymer, emulsion form for mixing with powdered cement to create a waterproof membrane with an effective double water retention mechanism. BestSeal B12 has high elasticity, it can cover up cracks (up to 1 mm). It can be resistant to rains and extreme weather conditions

Uses:

- Waterproofing and minimizing the thermal cracking on outer wall surfaces, such as balconies, eaves, and terraces.
- Reverse waterproofing of internal wall surfaces including basement walls, tanks, and water pipes.
- Waterproofing floors, walls, and pipe joints through the toilet, and bathroom.

Advantages:

- Safe, easy to use, long life span.
- Does not contain sand, so it is very flexible and highly economical.
- High elasticity, prevent cracking, and peelings even in extreme weather conditions.
- Two effective waterproofing mechanisms.
- Excellent resistance to ultraviolet rays and alkali resistance.
- Resistant to algae, and mildew, effective surface protection, and improve service life.
- Colors can be adjusted upon requirements.
- Non-toxic, environmentally friendly, can apply waterproofing for cases of direct contact with domestic water.

SPECIFICATION

Chemical based:	Inorganic and organically modified co-polymers combined.
Color and appearance:	Milky white emulsion.
Packaging:	1; 5; 25 kg/can; 210kg/drum or as needed.
Shelf Life:	12 months from the date of manufacturing in unopened condition.
Storage condition:	Store in a dry, cool place, freeze-free area, temperature: 5 ÷ 30°C.
Consumption:	0.5 kg /m ² /layer. Should apply at least 2 layers.
Compatible:	Compatible with all types of black cement and white cement.
Density:	1.025 ± 0.005 kg/l @ 25°C.
pH:	8.5 ± 1.0.

Mixing ratio:	BestSeal B12 / Cement powder = 1 / 1.5 (by weight) 1 kg BestSeal B12 + 1.5 kg of cement # 1.5 liter of waterproofing slurry
Pot life:	90 minutes from mixing with cement.
Tack free time:	2 ÷ 4 hours from the time of application (depending on thickness, temperature, and humidity, weather ...).
Crack bridging ability:	≥ 0.75mm (BS 14891:2017).
Bonding strength:	≥ 0.5Mpa (on prepared concrete) (ASTM D7234-12).

INSTALLATION

Surface preparation: Remove dust, laitance, grease, and any other contaminant from the surface. Roughen the surface by using suitable methods (if needed) before the application. Saturate the entire surface properly with clean water.

Material preparation: The cement must be well selected, fine, not slump, and not out of date.

Mixing: Put BestSeal B12 in a clean container with appropriate capacity. Continue to slowly add the equivalent amount of cement while the paddle is rotating evenly (the rotation speed of the paddle is 400 ÷ 500 rpm) until the mixture is homogeneous (no lumps).

Use a brush, short roller, or pressure nozzle to apply the product on the entire surface with an average consumption of 1.0 ÷ 1.5 kg mortar / m² / layer. It is recommended to apply at least 2 layers. After the first layer has dried, apply the next layer perpendicularly or diagonally on top (if brushed).

Application: **Caution:** Waterproofing surfaces need to be protected from direct rainwater for at least 4 hours after the application. The pot life allowed for application is 90 minutes. **To be able to adjust the light of the color of the product, it is possible to use white cement mixed in the appropriate proportion. The higher white cement contains the lighter grey appearance.**

Cleaning: Clean equipment immediately after the execution and before the mixture's hardening.

Safety: BestSeal B12 is non-flammable light alkaline. The product is allergic to skin. Protective clothing is highly recommended. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.

Disclaimer: *The technical information and application instructions in documents of BESTMIX are based on BESTMIX's current knowledge and practical experience. The information here only describes the general nature of the product, so users should test the product for each purpose. BESTMIX has the right to change the features of our product, user must always refer to the latest technology product.*