

Impermo



IMPERMO is a water repellent material that Lafarge produces in powder form for mixing with Portland Cement before aggregates such as sand are added to produce durable water repellent renderings. It is used in the construction of water bearing structures such as swimming pools, water reservoirs and dip tanks. It is also used in structures where moisture should not be allowed in, such as granaries and basements.

PROCESS

In the beginning the unevenness of the brick wall shall be plastered with a thin layer. A final coat needs to be applied above the base coat.

- Mix Lafarge Concrete cement and marble dusts or quartz sand in 1:1 ratio.
- Best quality ultra-violet resistant cement colours of up to 5% of the cement's weight shall be added and mixed thoroughly to obtain the desired shade of the plaster.
- 0.2% fungicides and 2% of waterproofing compounds, as per IS: 2645 may be added at this stage.
- Clean marble chips of desired contrast colours needs to be added to the mix, sizes vary from 2 to 2B, in 1:1 ratio.
- After thorough mixing add water to achieve stiffer consistency of the mix like normal Terrazzo floor mix.

APPLICATION

- Add 1kg of Impermo to every 50kg of cement to be used in making the concrete or mortar.
- Impermo should be mixed thoroughly with the cement before the cement is mixed with the aggregates.
- Mix of cement and Impermo should be thoroughly turned over several times with a shovel to ensure maximum dispersion of Impermo throughout the cement.

USES

- Product for use under ordinary conditions of building construction including, tanks, roofs, basement walls, swimming pools, inspection pits, sewage works, garages, pits, walls and floors.

Constraint:

- Under no circumstance should Impermo quantity to be added to 50kg of cement exceed 1kg.
- Impermo will not serve any useful purpose unless it is thoroughly mixed into the cement.

PACKAGING

- Impermo is available in 1kg plastic packaging.

STORAGE AND SHELF LIFE

- When stored unopened in a dry place at room temperatures, shelf life is 24 months from date of manufacture.

HEALTH AND SAFETY

- Irritating to eyes and skin. Keep out of reach of children. In case of contact with eyes or skin, wash immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection.

TECHNICAL DETAILS

- Nature: Fine free flowing powder (white/off white colour).
- Permeability in water: More than 80% reduction in water permeability.
- Application: 1kg of Impermo to every 50kg bag of cement.
- Product Quality: Chloride free.
- Shelf life: 2 years.