



MI - 650 AQUASEAL PLUS



PACKAGING

25kg + 10kg



MIXING RATIO

10kg liquid / 25kg powder



CONSUMPTION

1.7 kg/m²

Description

MI-650 AQUASEAL PLUS is a highly flexible waterproofing compound having high resistance to salts for interior and exterior applications, composed of emulsion polymer-based liquid and waterproofing, workability improving additives containing cementitious powder components.

Fields of Application

- Waterproofing of swimming pools, hammam, bathrooms, showers, balconies, terraces before laying ceramic tiles.
- Waterproofing of concrete basins of potable water.
- Waterproofing of underground concrete elements like foundations, retaining walls and basement walls.
- Waterproofing of places subject to deformation, pedestrian and load traffic.
- Waterproofing of concrete basins subject to sea water and de-icing salts.

Properties

- Approved to be used in contact with water intended for human consumption.
- Excellent bonding on all concrete and masonry.
- Highly flexible.
- Non-corrosive for steel and construction elements.
- Applicable both on horizontal and vertical surfaces.
- Prevents carbonation in concrete.
- Resistant to freeze-thaw.
- Highly resistant against chloride ions.
- Prevents concrete against de-icing salts like calcium and sodium chloride, seawater, and carbon dioxide gas.
- Easy to apply either by brush, roller, or trowel.

Application

- The substrate must be solid, dry, free of dust, loose parts, paint, wax, oils, rust, and traces of gypsum.
- Cementitious substrates must be cured.
- Use MATIART in case of any loose and uneven substrates to get a sound and flat surface.
- The substrate should be protected from sunlight, precipitation, and dust for 1 day and application should not be under direct sunlight. Dampen absorbent surfaces to be treated beforehand with water or better apply MP-809 ACRYLIC PRIMER.
- Pour 10kg liquid component into a suitable clean container.
- Then slowly add 25 kg. powder component and mix with a low-speed mixer to obtain a homogeneous lump free mix.
- Allow to stand for 5 minutes to mature. After remixing for 1-2 minutes, the paste is ready for application.
- Apply a thin layer of MI-650 AQUASEAL PLUS with brush, roller or trowel, then after 5-6 hours apply a second coat, to have a final thickness of approximately 2-3 mm.
- Insert a 4.5 x 4 mm. mesh in the first layer of MI-650 AQUASEAL PLUS when operating around expansion joints, joints between horizontal and vertical surfaces, areas with small cracks or places subject to stress. After the mesh has been laid apply a second layer of MI-650 AQUASEAL PLUS when the first one has set (after 5 - 6 hours).
- Use MI-650 AQUASEAL PLUS within 6 hours of preparation. Unfavourable climatic conditions (high temperature, low humidity, wind etc.) can reduce this time to just a few minutes.

- Dispose mortars of which pot life is expired. Clean tools and hands with water, surfaces with a damp cloth.
- Protect the surface from direct sunlight, rain, freezing and wind for the first 24 hours after application.
- If MI-650 AQUASEAL PLUS applied surface is subject to foot traffic, cover the surface with a flooring compound or tiles.
- After applying MI-650 AQUASEAL PLUS, wait at least 7 days for curing in favourable climatic conditions before laying ceramic tiles.
- When MI-650 AQUASEAL PLUS is used waterproofing drinking water tanks, do not fill the tank before waiting 28 days for curing and following washing down with hot water several times.

Shelf Life

12 months when stored in the original sealed packaging.

Storage

- Liquid component: Store in temperatures from +5°C to +23°C in original sealed packing and keep the out of direct sunlight.
- Powder component: Store in dry medium. Do not stack more than 10 bags on top of each other.

TECHNICAL DATA (IN +23°C AND 50% RH.)

Form	Powder + Liquid
Colour	Grey
Storage	12 months when stored in the original sealed packaging in a dry place.
Mixing Ratio	10kg liquid / 25kg powder
Application Temperature	(+5°C) - (+35°C)
Pot Life	5 hours
Adhesion Strength after Water Immersion (EN 14891)	≤0.5mm
Waiting Time Between the Coats	5-6 Hours
Waterproofing Capacity	7 bar (positive)
Reaction to Fire	A1
Dangerous Substances	See SDS