

# SEALING ITUMAT PLUS 502

Cement Materials

**Qualitative and Flexible Bicomponent cement Mixture for Multi Purpose Sealing.  
Suitable for Positive and Negative Sealing.  
Sealing water reservoirs, wet rooms and swimming pools.  
Approved for use in drinking water reservoirs according to the requirements  
of Israeli Standard 5452.**



## Main Properties and Adjustment:

- Highly flexible bicomponent cement mixture for sealing of walls and floors.
- Combines flexibility, adhesion and excellent sealing.
- Suitable for positive and negative sealing.
- Serves for sealing of drinking water reservoirs, swimming pools, etc. (see work specification).
- Sealing concrete walls as preparation for dry or wet cladding.
- Sealing basements and shelters internally and externally, sealing concrete roofs beneath flooring, sealing open balconies, planters, kitchens and bathrooms.
- Presenting good adhesion to substrates such as: concrete, plaster, stone boards, metal, wood, cement boards, gypsum boards, gypsum blocks, etc.
- Serving as a connecting material (primer) on low absorbent flexible substrates, such as painted wood or metal.
- Suitable for sealing at the back of stone surfaces, according to the Baranowitch method (see work specifications).



- Packaging:** Part A – powder: 20 kg paper bag  
Part B – fluid: 6 kg plastic container
- Shades:** gray, white
- Consumption:** not under 2.5 kg. /m<sup>2</sup> with two sealing layers of 1 mm. thickness each. For sealing against water pressures above 3 meter water level height, a third sealing layer ought to be applied.
- Composition:** Minerals, cements, hydraulic + polymeric admixtures.

## Technical Data:

Crack Bridging Ability	2.95 mm.
Adhesion	Approx 2.5 . MPa
Water vapor passage	SP = 1.59 meter
Elongation under Max. load	35%
Water Permeability	According to tests of the Standard Institute – in 1, 3, 7 atmospheres, there is no water penetration.

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### Application:

- Thoroughly clean surface from dust, dirt, oils and loose parts.
- Rinse substrate up to saturation and remove excess of water.
- External defects, gravel pockets in concrete, areas around wires and also iron that was exposed ought to be excavated and repaired prior to sealing, in order to reach smooth and even substrate by means of Concrete Rehabilitation 650/651 or A46, Rep-Mur F of Ardex Company.
- Joint rounded casting should be executed in the joints between walls by means of suitable materials, 24 hours prior to the application of Itumat Plus 502.
- Pour the entire contents of Itumat Plus 502, Part B, into the bucket. Slowly add Part A of the bag's contents, while thoroughly mixing in a mixer to obtain a unified and easy to apply mixture. Wash out the remaining fluid polymer from the container with about 1 liter of water and add to the mixture.
- Apply the ready mix on the substrate (positive and negative sealing) with a brush or a trowel.
- It is recommended to work with Itumat Plus 502 in two shades, in order to ensure full covering of the surface by means of the sealing material.
- Two layers ought to be applied, at intervals of 4-10 hours, working in crisscross, while the first layer is adhesive

### Workability:

- Pot life - About 90 minutes. It is recommended to mix every 15 minutes to prevent the evolvment of crust

### Precautions:

- Itumat Plus 502 should not be applied in surface temperatures under 5°C or above 35°C.
- In closed areas without ventilation, application times between layers are extended.

**Cleaning:** In water for as long as the material is wet. If the material is dry it should be cleaned with acetone.

**Storage:** In its original package in a shaded and dry location.

**Shelf Life:** Up to 9 months from the production date

The Technical Service Department is available to our customers for consultation and guidance. The materials marketed by us are made of the finest components and are under close quality control. However, liability for the adjustment of the material to its use is imposed on the user only. We recommend in any event testing the adjustment of the material to the sought application prior to its use

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