

Cement adhesive for adherence in a thin layer .For internal and external use, suitable for adherence of mosaic boards, porcelain tiles, ceramics with absorbency level of above 10%.

Suitable for use in swimming pools.

Accords with the requirements of Israeli Standards 1555, 4004.



### Properties:

- Intended for adhesion on tiles of various kinds, such as: ceramic tiles with absorbency level of above 10%, porcelain, mosaic and thin tiles.
- Suitable for use in swimming pools and decorative fountains
- Intended for adhesion on most substrate types: cement plaster, precast concrete, Ytong blocks, gypsum boards, gypsum blocks.
- In the event that the substrate is made of concrete blocks and Ytong blocks, cement plaster should be applied according to the requirements of Israeli Standard 1920, Part 2 for rigid covering.
- For internal and external use.
- Mixture is ready to use with the addition of water only.



**Packaging:** 25 Kg. paper bags

**Consumption:** approx. 1.35 kg /m<sup>2</sup> in1 mm. thickness

**Composition:** mixture based on white cement, fillers, polymers and special chemical additives

### Technical Data:

Open time (E)	30 minutes
Pot life	Up to 3 hours
Flexible Adhesion strength after 28 days	Above 1 MPa
Sagging (T)	Under 0.5 mm.
Transverse deformation	S1

### Application:

- Clean substrate from loose parts of concrete and plaster, dust, dirt, oils, paint and any factor, which is liable to hinder proper adhesion.
- Tiles should not be wetted prior to application.
- Substrate should be wetted several hours prior to application.
- Pour 7-8 liters of water into a mixing container. Slowly add the entire 25 Kg. contents of the bag, while mixing in a mixer to obtain a unified mixture. Wait for 3 minutes and mix again. Water quantities could vary, despite the stated above, due to changes of weather, etc. In any event, the appropriate workability level should be achieved.
- Apply a thin layer of 110 Fix Adhesive, while compressing the adhesive to the substrate .Add adhesive, according to the necessary thickness, and comb with a notch trowel.
- Apply a layer on the back of the tile - 100% of the tile surface.

- Attach the tile to the substrate, while rotating and moving it around until it is placed in its desirable location, according to the "wet on wet" method.
- Compact by means of a rubber hammer.
- Ensure full contact between the tile, adhesive and the substrate.
- Leave joints open, as per the requirements of the Standard, and according to the planner's requirements.

### Notes:

- It is recommended to provide shading around the scaffold while working on external walls, to maintain convenient work environment protected against weather conditions.
- Natural stone tiles, should be cleaned thoroughly on the back of the tile before applying, using a moist sponge to remove residues of dust, dirt, oils and sawing waste.
- Non-absorbent substrates should be coated with a layer of Primer P-82 (see product specification of Primer P-82). Wait for 90 minutes before applying the adhesive.

### Quality Control:

- Pull out a tile during the adhesion before it has dried, proper adherence should appear as a "thorne" shape both on substrate and tile.
- Cover check – ensure that the adhesive covers 100% of the tile surface.
- Ensure that the adherence thickness corresponds with the requirements.
- Prior to filling mortar joints, adhesion should be checked by tapping on the tile. A hollow sound is produced if the adhesive is not properly adhered.

### Precautions:

- Material should not be applied in surface temperatures under 5°C or above 35°C.  
Avoid wetting the adhesive and tiles for 24 hours after application.  
(avoid outdoor adherence if rain is expected).
- Do not add water to a drying mixture. In order to prevent the mixture from drying out, mix it every 10 minutes using a mechanical mixer.
- Do not apply on paint or skim coat

**Cleaning:** Tools and hands should be cleaned with running water, for as long as the material is fresh.

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

**Shelf Life:** Up to 6 months from the production date

### Diagram of Fix Adhesive 110

#### Adherence of tiles on external plaster

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