

# Super Light NO.1

## C2TE S1

Tile Adhesive

Lightweight and flexible white adhesive, cement based for adherence in thickness of 3-10 mm. suitable for porcelain tiles, mosaic, absorbent ceramics, natural stone, etc. Super Light Adhesive No. 1 incorporates many advantages, such as decreased consumption, low dust level and low weight per volume. Accords with the requirements of Israeli Standards 1555 and 4004



### Properties:

- Light adhesive, based on cement, light aggregates and special additives.
- The adhesive's characteristics and low weight enable to cut down approx. 60% of consumption (compared to adhesive without light aggregates) in relation to a 25 kg adhesive.
- Transverse deformation - S1.
- The adhesive contains aggregates and special additives, reducing dust level.
- Suitable for applying on ceramic tiles, mosaic, natural stone, etc.
- Intended for adhesion of tiles on various substrates, such as gypsum boards, gypsum blocks, cement plaster, concrete walls, etc.



**Packaging:** Packaging: 15 kg paper bags, 18 liter volume.  
**Consumption:** approx. 0.9 kg /m<sup>2</sup> in 1 mm thickness  
**Composition:** White cement, light aggregates and polymeric additives.  
**Substrate:** cement plaster, concrete walls, gypsum boards, gypsum blocks, etc.

### Technical Data:

|                                |                |
|--------------------------------|----------------|
| Transverse deformation         | S1             |
| Practical workable time        | Up to 3 hours  |
| Tensile strength after 28 days | Above 1 MPa    |
| Open time                      | 30 minutes     |
| Flexural strength              | 2.5 MPa        |
| Shrinking                      | less than 0.5% |

### Application:

- Prior to application ensure that the substrate meets the requirements of the standard.
- Substrate should be dry and clean from dust, dirt, oils, loose parts of concrete and plaster, paint and any element, which is liable to hinder proper adhesion.

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## Tile Adhesive

- Pour 6-7 liters of water and slowly add the entire 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 Super Light Adhesive No. 1 on the substrate while compressing it. Add adhesive, according to the necessary thickness, and comb with a notch trowel.
- Apply a thin layer of adhesive on the entire surface on the back of the tile, while compressing it with the smooth side of the trowel, add additional adhesive layer if necessary. 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.
- Tighten by means of a rubber hammer.
- Ensure that there is full contact between the tile, adhesive and the substrate.
- Leave joints open, as required according to the Standard and the planner's requirements.

### Notes:

- Natural stone tiles, should be cleaned thoroughly on the back of the tile before applying, using a moist sponge to remove remaining's 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 on substrate temperatures below 5°C or above 35°C.
- Avoid wetting the adhesive and tiles for 24 hours after application.
- Do not add water to a drying mixture.

**Cleaning:** Tools and hands 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

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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