Tambour

Gesher Bond 31 Super Elastic
C2TES1

Flexible adhesive of the S1 adhesive group for all kinds of tiles and natural stone, using the thickset bonding method (for thicknesses of 5-10 mm)

Product Code: 917515202500

Main Features:
Properties: Israeli Standard 4004 certified, Green Certificate certified,
Compliant with the requirements of SI 1555 for cladding and paving.
Adhesive type C2TE S1
For interior and exterior use
Ready for use, just add water
Easy application and improved workable time
Exceptionally high flexural strength and compression strength
Suitable for tiles with an absorptivity of less than 5%
Exceptionally high bonding strength

Applications: Applying on concrete walls or drywall or pumice/black/aerated block: suitable for application of ceramic and porcelain tiles which are compliant with SI 314.
Application on floors: suitable for gluing all types of tiles, marble and natural stone, including ceramic and porcelain tiles with an absorptivity of up to 5%, which are compliant with SI 314, and natural marble as detailed in SI 1555 part 3.

Technical Specifications:

Typical consumption	1.27 kg / 1 sq.m. at 1 mm thickness
Tensile bond strength in laboratory air after 28 days' aging	Greater than 1.5 MPa
After 7 days weathering in laboratory air + 21 days immersed in water	Greater than 1 MPa
After 14 days weathering in laboratory air + 14 days in an oven	Greater than 1 MPa
Plasticity	S1
Mixture workable time	Approximately two hours (as a function of the temperature)
Open time	Over 30 minutes
Application temperature	5ºc-35ºc

Preparing the surface: Make sure 28 days have passed since the end of the pouring of the concrete.
One day before the application, wash the substrate with a jet of water to remove dust, oil, salts, and any other substance that might cause the bonding to fail.
Cementing on walls - the substrate to be cemented must be clean and dry, free of any traces of oil, grease, or paint, cement water, dust, salts, of any substance that might cause the bonding to fail. The tensile bond strength under substrate tension is as per the requirements of Israeli Standard 1555 part 1, shall be greater than 0.5 MPa for application of tiles above 0.04 sq.m. and up to 0.11 sq.m., and the tensile bond strength for tiles over 0.11 sq.m. and up to 0.18 sq.m., shall be greater than 0.7 MPa. Make sure the load-bearing elements are capable of bearing all of the layers of plaster, the adhesive layer, and the tiles, as per the requirements of the relevant standards

Cementing on floors - can be applied to concrete substrates. Tensile bond strength under substrate tension is as per the requirements of SI 1555 part 3. The substrate to be cemented must be clean and dry, free of any traces of oil, grease, or paint, cement water, dust, salts, of any substance that might cause the bonding to fail.

Method of application: Apply according to the instructions of SI 1555 part 2.
First pour about 6-7 liters of water into a clean mixing container. Gradually add the content of the sack and mix for about 3 minutes using a mechanical mixer until a smooth, uniform paste is achieved free of lumps. Wait 30 seconds, then mix again for about 30 seconds until you achieve a uniform, lump-free mixture.
Apply a thin, dense layer to the substrate using the smooth side of the trowel - 2-3 mm thickness.
Immediately apply the second layer onto the fresh layer, this time combing it with the notched side of the trowel.
When combing, hold the notched trowel at a 45° angle to the substrate. The recommended notch depth is according to the tile size and after testing the adhesive cover as detailed below.
The back of the tile must also be covered with a thin, smooth layer of cement. The adhesion layer after tamping must be between 5 mm and 10 mm thick.
Place the back of the tile on the fresh thinset and tamp it down by rotating it clockwise and counterclockwise, or using a rubber mallet. It is recommended that plastic spacers be used according to the required spacing.
When bonding the tiles, take care to create mortar joints according to the relevant standards. The mortar joints must be filled with Tambour grout.

Testing the cement coverage: While performing the cladding work, and after having tamped down the tiles, sample one tile per every 10 square meters, by extracting the tile and measuring the extent of the bonding and the rate of coverage of the back of the tile by the adhesive. The adhesive must cover the tile over a minimum of 85% of its surface area. The first test must be performed after cementing one square meter. These tests are intended only to assess the state of the application. All of the tests must be carried out according to the requirements and details of the relevant standards. To perform a standards-compliant test, an accredited laboratory must be invited.

Points of Emphasis:

- Use spacers.
- The tools used must be cleaned and a mechanical mixer must be used.
- Do not apply the cement to a large area to avoid formation of a film on the surface before the tile is bonded to it. The cement is suitable for use as long as it wets (sticks to) a finger pressing lightly on its surface. If a film forms and the finger does not stick to it, then the thinset must be scraped off and a new layer must be applied.
- A mixture that has dried is no longer suitable for use.
- The tiles must be bonded to the thinset before it begins drying.
- Before bonding marble tiles with mesh backing, the training department must be consulted.
- When cementing a dark-shaded tile on exterior surfaces, the training department must be consulted.
- Do not apply to high absorbency ceramic tiles of over 7% absorbency. Consult with the Tambour training department.
- Do not cement stones and/or tiles which are not compliant with the requirements of the relevant standards, including SI 2378, 5566, and 314.
- After having bonded the tiles, they must not be washed with water or exposed to rain for at least 48 hours after completion of the bonding work.
- Do not perform exterior bonding work during heat waves in rainy weather.
- When bonding to concrete floors or existing tiles, the floor can be walked on after 24 hours. Furniture can be placed on the tiles only after 14 days.
- In contact with gypsum products, or on a skim coat or paint substrate, contact the Tambour training department for advice.
- The quantity consumed may vary depending on the substrate type and its quality, and on the method of application.
- Carry out the work according to the instructions of the relevant standards, which are subject to change from time to time.
- Read the technical data sheet of each product mentioned in these instructions.

Storage and shelf life: Store the product in a shaded, well-ventilated place.
The material can be used up to 9 months from its manufacture date if stored in its original container and under the recommended storage conditions.

Warnings and safety instructions: Not edible. Keep out of the reach of children. Avoid direct contact with skin and eyes. In case of contact with the eyes, wash immediately with water for at least 15 minutes and seek medical attention. For the full safety instructions, see the product packaging or the safety sheet, which is available for viewing - call 04-6753633

General notes: Do not mix this material with materials that have not been specifically recommended by us. Read the product data sheet before use. Before starting work, contact the company representatives to receive instructions and a technical specification. Do not use the product at temperatures below 5°C or above 35°C. The factory warranty is limited to the product quality only. It does not include application that has been made not according to the manufacturer instructions as specified on the sack, and it is not a substitute for the workmanship warranty. All of the information above must be regarded as a recommendation only, which is being made based on our knowledge and experience. The user is responsible for verifying the material is suitable for his needs, and he must ensure proper execution of all of the work in accordance with the applicable standards. He must also seek guidance from a representative of the training department at the work site. Tambour reserves the right to update or change the data and the recommendations without prior notice. The user is responsible for inquiring about any changes from time to time. Anchor the product securely for shipping.

Note! Read the technical data sheet, which is available on the company Internet website prior to beginning application, since it changes from time to time according to the instructions of the standard and according to the manufacturer recommendations: www.tambour.co.il