



TECHNICAL DATA SHEET

ALFAFLEX/S1 - C2TES1

CERAMIC ADHESIVE MORTAR

DESCRIPTION:

Improved grey cement based, deformable-flex tile adhesive with adhesive with reduced slip and extended open time (C2TES1)

APPLICATION AREAS:

Applied by hand to adhere high weight (maximum 50 kg/m²) coating materials on low water absorbent surfaces such as cementitious plasters, concrete surfaces etc. as horizontal and vertical at indoors and outdoors.

ADVANTAGES:

- * ALFAFLEX / S1 tile adhesive provides labor and time advantage, by it's easy preparation and application features.
- * Improved with special additives so it provides very high adhesion and durability even at high and low temperatures.
- * Provides less consumption at unit area by it's special formula.
- * Prevents slipping of coating materials at vertical applications.
- * Prevents extended open time.
- * Provides resistance to surface tension caused by sudden temperature changes due to it's S1 class flexibility feature.

SURFACE PREPARATION:

Application surfaces should be clean, sound and free from dust. Adhesion barrier materials (oil, dirt, etc.) should be cleaned from the surface, cement-mortar residues should be scraped. Gaps and cracks on the surface should be repaired with RP-1200 or RP-800 repair mortars at least 1 day before the application. If needed, surface should be cleaned with water. PRIMER-ST primer should be used at least 1 hour before the application to reduce water absorption of the surface in very hot and windy weather.

PRODUCT PREPARATION:

25 kg ALFAFLEX / S1 tile adhesive is added on 6,0-7,0 liters of clean water by sprinkling. Blended by a low speed mixer or by a trowel to ensure that there are no lumps in it. Mortar is rested for 5 minutes to mature and mixed again before the application.

APPLICATION METHODS:

- * ALFAFLEX / S1 mortar is applied to the entire surface with circular motions by a 10 mm notched trowel.
- * To get high adhesion strength for coating materials heavier than 30 kg/m², ALFAFLEX / S1 mortar should be applied on backside of the coating material too by a notched trowel before fixing.
- * Coating material is placed on the surface by setting fuga gaps.
- * To get high adhesion strength, coating material is fixed to the surface by gently tapping with a rubber mallet.
- * If a film layer formed on mortar surface, mortar should not be used. It should be scraped off from the surface. New mortar should be applied.
- * Joint filler application should be done at least 24 hours after fixing.
- * For 24 hours after horizontal applications, ground should not be opened to traffic or any weight should not be placed on it.
- * For 14 days after vertical applications, no weight should be hung on, no load should be applied, no mounting should be done on surface.
- * Ambient and surface temperature should be between +5°C and +30°C during the application.
- * Any additional material (such as lime, cement, gypsum etc.) should not be added in the prepared mortar.
- * It should not be applied on unsound, loose, problematic surfaces.
- * Surface should be protected from airflows and sudden temperature changes during and after the application.
- * Mortar should not be applied on frozen, melting or within 24 hours danger of frost surfaces.
- * Hardened mortar should not be used by adding water and mix again.

SHELF LIFE:

Unopened original packages can be stored in dry (%60 R.H.) and cool (between +5°C and +25°C) environments for up to 12 months.

APPLICATION LIMITS:

Maturation Time: 5 min.

Open Time: 30 min.

Pot Life: 120 min.

Time Required For Joint Filler Application: 24 hr. minimum

UNIT CONSUMPTION:

5,5 m² / 25 kg Package (Application thickness: 10 mm notched trowel)



System 3

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17

TS EN 12004-1 / 04.2017
C2TES1

Improved Cement Based Deformable Tile Adhesive
With Reduced Slip And Extended Open Time

Reaction To Fire	A1 Sınıfı
Initial Adhesion Strength	≥ 1,0 N/mm ²
Adhesion Strength After Ageing By Heat	≥ 1,0 N/mm ²
Adhesion Strength After Immersion By Water	≥ 1,0 N/mm ²
Adhesion Strength After Freeze And Thaw	≥ 1,0 N/mm ²
Adhesion Strength After Open Time - 30 min.	≥ 0,5 N/mm ²
Slip	≤ 0,5 mm
Transverse Deformation	2,5 mm ≤ S1 ≤ 5,0 mm

PERFORMANCE DECLARATION NO 12004-1 / PB-02.007



GHS05



GHS07

H315: It causes skin irritation.

H318: It causes serious eye damage.

H335: It may cause respiratory irritation.

P280: Wear protective gloves/protective cloths/eye protection /face protection.

P305 In case of contact with eyes, rinse carefully with water
P351 a few minutes. If available and easy, remove contact
P338: lenses. Continue rinsing.

