



65

χρόνια

σεβασμό στον μάστορα

δομικά υλικά

construction materials



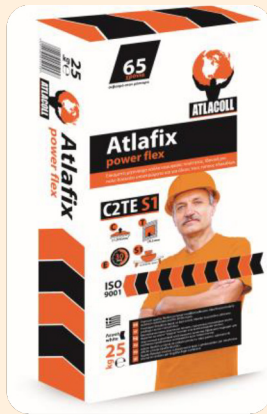
Technical Data Sheet

Date: 9/11/2014

Edition Number: 3rd

Atlafix power flex

Flexible, frost-resistant, cement-based adhesive of exceptional quality, ideal for demanding substrates and all types of tiles.



Description

Atlafix Power Flex is a premium-quality, cementitious, flexible, frost-resistant tile adhesive, enhanced with vinyl-acrylic resins. It stands out for its excellent adhesive properties, high elasticity, and resistance to moisture, frost, and temperature fluctuations. It features zero vertical slip and extended open time.

Classified as a C2TE S1 type tile adhesive according to the European standard EN 12004.

Fields of Application

Suitable for bonding absorbent and non-absorbent tiles of any size, such as klinker, gres, porcellanato, ceramic mosaics, glass mosaics, natural and artificial stones, etc. It is applicable in both indoor and outdoor spaces on various substrates, particularly where excellent adhesion, watertightness, and superior mechanical strength (compression, bending, tension, etc.) are critical. Ideal for terraces, balconies, drywall, cement boards, underfloor heating, pools, bathrooms, showers, fountains, and high-traffic areas like commercial centers, restaurants, supermarkets, car showrooms, airports, and industrial facilities.

Instructions for Use

Ensure the substrate is stable, durable, clean, and free of stagnant water. Add 25 kg of Atlafix Power Flex adhesive to 6-7 liters of clean water while stirring. Continue stirring with an electric mixer until a homogeneous, pasty mixture is formed. Allow the mixture to rest for approximately 10 minutes to mature, then stir again. Spread the adhesive on the substrate and comb it with the notched side of a trowel for even distribution. Place the tiles in the desired position and press lightly to set them. For applications requiring increased adhesion and elasticity, mix 25 kg of Atlafix Power Flex with 5-10 kg of Atlaplus Classic or Atlaplus Latex, diluted 1:1-1:5 with water, depending on the technical requirements of the application.

For highly porous surfaces such as aerated concrete, cement boards, particle boards, or gypsum boards, prime them with Atladur Uniprimer, an acrylic water primer from ATLACOLL. Tile installation should be completed within 30 minutes after the adhesive is spread (depending on ambient conditions like temperature and humidity) and always before the adhesive skins over. Do not add extra water to the mixture after it has matured. Avoid application when ambient and substrate temperatures are below 5°C or above 35°C.

Grouting

Floors: After 24 hours.

Walls: After 3-8 hours.





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Consumption

1.5-4 kg/m², depending on the size of the trowel teeth, the smoothness of the substrate, and the type and size of the tile.

Technical Characteristics

Bulk Density:	~ 1.38 kg/L
Mixing Time:	10 min
Application Temperature:	+5 °C to +35 °C
Open Time:	τουλάχιστον 30 min
Temperature Resistance:	-30 °C to +90 °C
Fire Reaction Class:	E
Initial Adhesion Strength:	≥ 1.0 N/mm ²
Adhesion Strength after Heat Aging:	≥ 1.0 N/mm ²
Adhesion Strength after Water Immersion:	≥ 1.0 N/mm ²
Adhesion Strength after Freeze/Thaw Cycles:	≥ 1.0 N/mm ²
Slip Resistance:	≤ 0.5 mm
Transverse Deformation:	≥ 2,5mm και <5mm

Storage

12 months from the production date, if stored in unopened bags in a dry environment protected from moisture.

Packaging

White	25 kg.
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Safety Instructions

Read the label before use. For detailed instructions and precautions, consult the product's Safety Data Sheet (SDS).
Poison Center Contact: +30 210 77 93 777.

Certification

Conforms to EN 12004:2007+A1:2012. DoP No.:
ATLACOLL-ATLAFIX POWER FLEX-11770-01.
Notified Body: 1871.



CHROMOLAC-ATLACOLL S.A., 25th Km Athens-Corinth
National Road, 19600 Mandra, Attica, Greece
14

EN 12004:2007+A1:2012

DoP No.: ATLACOLL- ATLAFIX POWER FLEX -11770-01

NB: 1871 Improved deformable cementitious adhesive with reduced slip and extended open time for internal and external tiling

Reaction to fire Class E

Release of dangerous substances

See MSDS

Bond strength, as:

- initial tensile adhesion strength ≥ 1.0 N/mm²

Durability, for:

- Tensile adhesion strength after heat ageing ≥ 1.0 N/mm²

- Tensile adhesion strength after water immersion ≥ 1.0 N/mm²

- Tensile adhesion strength after freeze/thaw cycles ≥ 1.0 N/mm²



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Το σύνολο των πληροφοριών που αναφέρονται στις τεχνικές προδιαγραφές είναι αποτέλεσμα της επιστημονικής γνώσης του προσωπικού της εταιρείας και της πρακτικής εμπειρίας στην εφαρμογή του προϊόντος. Το παρόν έγγραφο δεν εκφράζει ούτε αποτελεί εγγύηση, καθώς η εταιρεία δεν μπορεί να ελέγξει, ούτε είναι υπεύθυνη, για τις συνθήκες και τον τρόπο εφαρμογής, την προσαρμογή και την επεξεργασία του προϊόντος κατά τη χρήση του από τον πελάτη. Ο πελάτης πρέπει να επιβεβαιώσει με δικά του μέσα ότι το προϊόν είναι κατάλληλο για την προοριζόμενη εφαρμογή. Η τρέχουσα έκδοση των τεχνικών προδιαγραφών καταργεί όλες τις προηγούμενες εκδόσεις για το συγκεκριμένο προϊόν.