



65

χρόνια

σεβασμό στον μάστορα

δομικά υλικά

construction materials

Technical Data Sheet

Date: 2/12/2013

Edition Number: 2nd

Atlafix super flex

Flexible, frost-resistant, top-quality adhesive reinforced with vinyl-acrylic resins, ideal for challenging substrates and environments.



Description

Atlafix Super Flex is a premium-quality, cementitious, flexible, frost-resistant tile adhesive, enhanced with vinyl-acrylic resins. It offers excellent adhesion, high elasticity, and superior resistance to continuous moisture and frost. It features zero 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, including klinker, porcelain tiles, ceramic mosaics, glass mosaics, natural and artificial stones. It is ideal for indoor and outdoor applications on various substrates, especially where superior adhesion, exceptional elasticity, and high mechanical strength (compression, bending, tensile strength) are required. Perfect for underfloor heating, terraces, balconies, drywall, cement boards, pools, bathrooms, showers, fountains, metal surfaces, asbestos cement sheets, wooden floors, and parquet. Also suitable for areas with high traffic and stress.

Instructions for Use

Ensure the substrate is stable, durable, clean, and free of stagnant water. Add 25 kg of Atlafix Super 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 Super 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.

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.



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Technical Characteristics

Mixing Time: 10 min

Application Temperature: +5 °C to +35 °C

Open Time: At Least 30 min

Temperature Resistance: -30 °C to +90 °C

Initial Adhesion Strength $\geq 1.0 \text{ N/mm}^2$

Adhesion Strength after

Heat Aging: $\geq 1.0 \text{ N/mm}^2$

Adhesion Strength after:

Water Immersion: $\geq 1.0 \text{ N/mm}^2$

Adhesion Strength after:

Freeze/Thaw Cycles: $\geq 1.0 \text{ N/mm}^2$

Slip Resist $\leq 0.5 \text{ mm}$

Transverse Deformation: $>5\text{mm}$



Storage

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

Packaging

White 25 kg.

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.

Το σύνολο των πληροφοριών που αναφέρονται στις τεχνικές προδιαγραφές είναι αποτέλεσμα της επιστημονικής γνώσης 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.