



TUFFEX AD

High Technology Elastomeric Latex For Adhesion

Dubond's Tuffex AD is high technology elastomeric latex and it is suitable for use as an additive for cement based adhesives, with normal and fast setting adhesives. Dubond's tuffex ad increases adhesion to substrates and improves the adhesion.

Green Building Rating



Low Emission



Low Ecological Impact



Health Care



Water Based

Areas of Application

- Flooring and walls.
- For internal and external use, in domestic, commercial and industrial applications for street furniture.
- In environments subject to heavy use, swimming pools, tanks and fountains, for laying on deformable substrates, Also in areas subject to thermal shock and freezing.
- Materials to be bonded as homogeneous tiles, ceramic tiles, klinker, cotto, glass and ceramic mosaic, of all types and formats natural stone, agglomerate materials, marbles.

Features & Benefits :

- Increases substrate adhesion.
- Does not alter interval before normal use.
- Recommended as an additive for substrates and materials subject to extreme deformation.
- Does not alter workability times of normal and extra-fast setting mineral adhesives.
- It increases the longitudinal and transversal deformation of adhesives guaranteeing unaltered workability and safe, easy and eco-friendly laying.

Method of Application :

Preparation of substrates

Substrates must be compact and consistent, free from dust, oil and grease, free from any rising damp, with no loose, flaky, or imperfectly anchored parts. The substrate must be stable, without cracks and have already completed the curing period of hygro-metric shrinkage. Undulated areas must be corrected with suitable smoothing and finishing products.

Mixing

- Tuffex AD is used as a partial or full substitute for mixing water. After having mixed the powder with the indicated quantity of Tuffex AD.
- It is necessary to adjust the consistency of the mixture by adding water according to the type of application required, until a homogeneous, lump-free paste is obtained.



Application

- Adhesives mixed with Tuffex AD must be applied with a suitable, toothed smooth spreader of the type and dimensions most appropriate for the format and type of tiles used.
- Using the smooth part of the spreader, apply an initial fine layer to adjust absorption of the substrate with such a quantity of product as will allow for laying of the covering material within the indicated open time In environments subject to heavy foot traffic, where surfaces are to be smoothed during their creation and in outdoor locations,
- Use the double-spread technique to ensure 100% application of the product to the rear of the tiles. (It does not alter workability and hardening times of the adhesive. In warm, dry or windy climates check open times, which may be reduced as a consequence of such conditions.)

Precautions & Limitations :

- Do not use the adhesive to correct substrate irregularities lay and press tiles onto fresh adhesive making sure it has not formed a surface skin.
- Use the double-spread technique for all external laying
- The temperature, ventilation and absorption of the substrate and covering materials, may vary the adhesive workability and setting times. Do not use On external floors, on wet surfaces or substrates subjected to moisture rising; in environments where water is always present; with low absorption tiles on non-absorbent substrates

Technical Information :

Appearance	White liquid
Specific weight	1.01 kg/dm ³
Recommended dosage	
Extra fast-acting mineral adhesives	As a replacement for mixing water
Normal-setting mineral adhesives	2 parts Tuffex AD : 1 part water
Viscosity	33 Mpa
pH	7.06
Temperature range for application	From +5 °C to +35 °C
Mixing ratio	2 parts Tuffex AD : 1 part water
Pot life	≥ 4 hrs
Open time	≥ 30 min EN 1346
Adjustability	≥ 30 min.
Foot traffic	24 hrs
Final Characteristics	
Grouting in walls / flooring	8 / 24 hrs
Interval before normal use	7 days
Transversal deformation	≥ 5 mm EN 12002
Adhesion to concrete after 28 days	≥ 2 N/mm ² EN 1348
Adhesion after water immersion	≥ 1 N/mm ² EN 1348
Adhesion after heat ageing	≥ 2 N/mm ² EN 1348
Conformity	≥ 2 N/mm ² EN 12004

■ **Packing :**

1 ltr & 5 ltr container

■ **Shelf Life & Storage :**

12 months in the original packaging : Protect from frost. when stored in normal conditions.

■ **Health & Safety Precautions :**

Keep out of reach of children. wear suitable protective clothing, gloves, and eye / face protection. after contact with skin wash immediately with plenty of clean water. in case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.

DISCLAIMER The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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