



# TUFFEX GT

1 liter & 100 ml

## SYNTHETIC POLYMER EMULSION BASED ADDITIVE FOR CEMENTITIOUS GROUTS

A synthetic polymer emulsions for use with dubond's cement based grouts. Suitable for use in interior and exterior locations in both dry and wet service conditions. Dubond TUFFEX GT is a polymer additive for dufill cement-based grouts. Not for use with adhesives. This admixture is manufactured under an approved quality assurance system conforming to BS EN ISO 9002 and in accordance with the requirements of the environmental standards and operational scope of BS 7750:1994.

### Green Building Rating



Mineral  $\geq$  30%



Low Emission



Low Ecological Impact



Health Care



Water Based

### Areas of Application

- For internal and external use ,in domestic, commercial and industrial applications for street furniture,
- in environments subject to heavy use,
- Natural stone, agglomerate materials, marble Flooring and walls,
- Suitable for use as an additive in cement-based grouts
- Suitable to grout homogeneous tiles, low thickness slabs, ceramic tiles, klinker, cotto, glass and ceramic mosaic of all types and formats
- Swimming pools, tanks and fountains, for grouting deformable substrates, also in areas subject to thermal shock and freezing

### Features & Benefits :

- Does not alter workability, ease of cleaning and interval before normal use
- Improves water repellence and surface hardness
- Increases the flexibility of grouts, guaranteeing the continuity of coverings
- laid on deformable substrates or subject to thermal expansion increases adherence
- Professional elastomeric latex
  - Solvent-free
  - Water-based flexibilizing agent for normal and rapid-setting mineral grouts,

### Method of Application :

#### Mixing

For most applications dilute 1 part Tuffex GT with 2 parts water use the TUFFEX GT : water blend to replace the gauging water when preparing the grout for use.

#### Installation procedure

Dubond's Du Fill cement-based grouts modified with Tuffex GT should be applied as directed in the appropriate product data sheet. The working time of the polymer modified grout may be shorter than that of the unmodified material, especially in higher temperatures. the colour of the set grout may appear slightly darker than when unmodified. use the same mix proportions throughout an installation to ensure uniform colour.

## Performance

The addition of Dubond's TUFFEX GT to dubond's dufill cement-based grouts greatly improves their physical properties and characteristics. increased mechanical strength.

1. Provides greater adhesion to tile edges e.g. glass mosaics and fully vitrified tiles.
2. Provides greater abrasion resistance. particularly important in heavily trafficked areas such as shopping malls. increased flexural strength and flexibility.
3. Enables grouts to be used where limited movement/vibration is anticipated e.g. heated screeds and timber floors. reduced water permeability.
4. Provides greater protection to water sensitive backgrounds and minimizing the risk of efflorescence.

## Precautions & Limitations :

- Do not use on floors and walls where specific chemical resistances or absolutely no water absorbency is required; to grout elastic expansion or fractionizing joints; on substrates which are highly deformable, not fully dry or subject to moisture rising; on tiles or materials with porous or rough surfaces that are difficult to clean.
- Strictly keep to the indicated mixing ratio
- Apply the mixed product to a trial section first to check how the porous or microporous surface ceramic tiles or natural stone react to cleaning, as they may not be suitable for the use of grouts with latex additives

## Technical Information :

Colors	<b>White liquid</b>
Dosage	<b>100 ml / 1 kg of polymer grout</b>
Dosage	<b>1 ltr / 10 kg of polymer grout</b>
Shelf life	<b>12 month with original packing in dry place</b>
Ph	<b>9.5 (alkaline)</b>
Viscosity	<b>14 mPa · s, rotor 1 RPM 100 Brookfield Method,</b>
Spindle no 4, rpm 100 tem.	<b>25°C</b>
Solids content	<b>46 ± 1 %</b>
Temperature range	<b>From +5°C to + 45°C</b>

## Coverage :

Depends upon the dosages.

## Packing :

100 ml & 1 liter bottle.

## Shelf Life & Storage :

12 months in original packing condition. Protect from frost.

## 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.

**Dubond Products (India) Pvt. Ltd.**  
C-3, 1001, Anushruti Tower, S.G. Highway, Thaltej,  
Ahmedabad-380054. Gujarat - INDIA  
Ph: 91-79-2685 6815 Fax: 91-79-2685 6816  
Email: info@dubond.in Website: www.dubond.in  
**Toll Free: 1800-233-9000**

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