



DESCRIPTION

DURALATEX Liquid Additive is a styrene butadiene emulsion based product designed to improve the properties of nonmodified thin-sets, mortar beds, and grouts. The latex additive improves workability, increases bond strength, improves flexibility, adhesion, impact strength and freeze thaw resistance.

TYPICAL USE

DURALATEX Liquid Additive can be used with thinset, Portland cement mortar mixes for patching concrete, underlays for resilient flooring, thick bed mortars, leveling beds for ceramic tile and terrazzo and other thin applications where bonding is difficult. May also be used as a bonding agent for Profex Patching compounds and to treat dusting slabs for improving adhesion.

ADVANTAGES

- Improving adhesion to both old and new surfaces.
- Helps reduces dusting, cracking and spalling of tile grout joints.
- Improving resilience for thermal movement.
- Improving chemical resistance of grout joints.
- Improving resistance to water infiltration.

SUITABLE SUBSTRATES

- Concrete
- Cement Boards
- Terrazzo
- Gypsum Concrete

INSTALLATION SURFACES

- Ceramic Tile
- Quarry Tile
- Slate
- Pavers
- Porcelain Tile
- Natural Stone
- Marble (except warpable marble)

PRODUCT LIMITATIONS

All installations should be done in compliance with TDS, and all manufactures components instructions for installation methods.

All substrates shall be clean, dry, and free from dirt, oil, loose paint, sealers, or other curing compounds.

PHYSICAL PROPERTIES

Physical State	Liquid
Color	White, dries clear
Freeze/Thaw Stability	Freeze/thaw stable. If frozen, thaw and stir before using
Density	1,05 kg/l
Bond Strength	> 3 N/mm ² / EN 934-2
PH	8-12 / EN 934-2
Solid Content	55%
Compressive Strength	> 45 N
Water Absorption	> 3.5%
Fire Rating	Non-flammable
Water Phase	No Solvents



AGGREGATE

Grain size distribution of aggregates should be selected properly, quality should be selected and washed thoroughly. Grit size and ratio, the consistency of the mortar to be applied, the thickness and the desired surface properties should be selected.

APPLICATION METHOD/TOOLS

The following table shows the recommended mixes for water and cement ratios of 0.5 and 0.8. If the mixtures are prepared with the given ratios, the thickness of 1 cm thickness and the weight of DURALATEX will be in kg. The values given may vary depending on the materials used, the application area characteristics and the ambient conditions. Trial mixes are recommended before use.

1. Bonding Coat

Mix 1 part of DURALATEX with 1 part of fresh cement to a creamy consistency. Apply the bonding slurry generously and vigorously with a stiff brush to the pre-wetted and prepared substrate. Subsequent mortar must then be applied while the bonding slurry is still 'tacky'.

2. Spatterdash

Spread mixed spatterdash material onto pre-wetted surface.

3. Mortar

Mix cement and sand first, then add DURALATEX diluted with water (refer to the Mix Design Guide). Mix either by hand or with low speed drill for no more than 2 minutes.

Mortar topping should be finished by wood float or steel trowel. Care should be taken to prevent rapid drying of DURALATEX mortars, by the use of polythene or concrete curing compounds.

Maximum thickness is 40mm/layer

PACKAGING:

- 5 KG PAIL
- 10 KG CAN
- 20 KG PAIL

SHELF LIFE AND STORAGE AND CLEANUP

24 months, rotate stock, store in a dry area. Protect from freezing. Store in original, tightly sealed containers. Clean up wet product with a damp cloth, dried product may be scraped up or cleaned with mineral spirits.