

Polytile Latex



TO SEAL & PROTECT

Technical Data Sheet

DESCRIPTION

Polytile Latex is a specially formulated polymer latex admixture for use with tile adhesives and grouts, cement sand mortars for fixing ceramic tiles, marble tiles, mosaic tiles, natural or synthetic stones etc.

USES

- ▶ Polytile Latex is used in mortars where water resistance and increased abrasion resistance is required, such as industrial units, swimming pools, abattoirs etc.
- ▶ Used with Polyfix UTA, Polyfix WP, Polygrout TL and cement/sand mortars to enhance waterproofing and bonding properties.
- ▶ To produce polymer modified grouts, screeds and tile adhesive systems.

ADVANTAGES

- ▶ Water resistant.
- ▶ Chemical resistant.
- ▶ Improved bond strength.
- ▶ Increased adhesion.
- ▶ Resistance to impact and shock.
- ▶ Non toxic.
- ▶ Improves flexibility.
- ▶ Resistance to extreme climatic condition.

COMPOSITION

Synthetic Latex emulsion with special additives.

TECHNICAL DATA

Appearance:	White liquid.
Specific gravity:	1.02 at 20oC
Open time of mixed mortar:	45 minutes at 25°C
Toxicity:	Non toxic
Water absorption (BS1881):	< 2%
Chemical resistance:	Good resistance to mild acids alkalis, Sewage effluent, etc.

MECHANICAL PROPERTIES

Cement sand mortar 1:3 modified with Polytile Latex shows the following characteristics depending on sand gradings.

Compressive Strength:	42 N/mm ²
Tensile Strength:	6 N/mm ²
Flexural Strength:	13 N/mm ²
Adhesion:	Very good to concrete, brick, glass marble, ceramics, etc.

APPLICATION INSTRUCTIONS

Surface Preparation

All surface to receive Polytile Latex modified mortars should be structurally sound, clean and free from dust, dirt, curing compound, grease etc. Ensure that the surface is damp but free of standing water.

Mixing

Machine mixing is recommended for mixes larger than 25 kg. Dry mix the correct quantity cement and sand for one minute. Pour the desired quantity of Polytile Latex and water and mix for 3 minutes. Protect mixed material from wind or direct sun.

Application

In tiling applications apply the Polytile Latex modified mixes using a notched trowel. Do not apply more than 1m² at a time to avoid skinning of adhesives. Ensure a minimum 75% contact of adhesive with tiles.

MIX DESIGN:

- Thin bed (up to 3mm) mortar for wall and floor tiles.

Cement	- 50 kg
Medium graded sand	- 50 kg
Polytile Latex	- 10 lt.
Clean Potable water	- 10 lt. (adjust the water to obtain desired workability)
This will yield approx. 50 lt. of mortar.	

- Thick bed (up to 25 mm)

Mortar for floor/quarry tiles)

Cement	- 50 kg
Medium grade sand	- 150 kg
Polytile Latex	- 10 lt.
Water	- Adjust the quantity of water to obtain desired workability.
This mix design will produce approx.100 lt. Mortar.	

- Tiling with Polyfix UTA/Polyfix WP.

4 to 5 lt. of Polytile Latex to be used with 25kg. of Polyfix UTA/Polyfix WP.

CLEANING

Clean all the tools with clean water.

PACKING

20 lt. pail & 200 lt. drum.

STORAGE & PACKAGING

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical areas the product must be stored in airconditioned environment. Shelf life is up to 12 months, when stored properly.

HEALTH & SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.