

Mortar Additive

Areas of Application:

BOTAMENT® Latex is used as an additive for enhancing the properties of tile adhesives and cement mortar mixtures.

Properties:

BOTAMENT® Latex is a concentrated polymer dispersion which is compatible with alkaline materials like cement. Mixtures enhanced with BOTAMENT® Latex show improved performance like better adhesion, longer and better workability, higher flexural strength, reduced cracking, reduced water absorption and a low stress curing process.

Suitable Substrates:

Tile adhesives modified with BOTAMENT® Latex adhere to almost all kinds of mineral substrates such as concrete, screeds, render, brickwork, plaster boards, light-weight blocks, natural stones, etc.

Substrate Requirement:

The substrate must be clean, solid, stable, free of any loose particles like dust and free of grease, oil, paint, cement lime, tar, bitumen or release agent which might affect the adhesion.

BONDING AGENT

Mixing

Blend fresh cement and sand and mix with the BOTAMENT® Latex until a creamy consistency is achieved. Any dilution with water must be avoided.

The recommended mixing ratio:

Blend	OPC	1 p.b.w.
	Sand	2 p.b.w.
Mix until desired consistency		
BOTAMENT® Latex		

p.b.w. - parts by weight

Application

Apply the slurry by brush onto the prepared substrate. The subsequently following cementitious overlayment must be applied while the bond coat is still wet. Do not apply under direct sunlight. Strong wind must be avoided.

ADDITIVE FOR HIGHER-GRADE TILE ADHESIVE

Mixing

Add BOTAMENT® Latex with the ratio of 1:1 to clean water and mix until a uniform solution is achieved. Mix this solution with cementitious tile adhesive until an optimal workability for the particular area of use is achieved.

The recommended mixing ratio:

BOTAMENT® Latex	~3.1 litres
Water	~3.1 litres
Tile adhesive	25 kg

Note: For every 25 kg bag of BOTAMENT® M 16 Tile Adhesive, only 3.1 litres of BOTAMENT® Latex and 3.1 litres of clean water is required.

Gradually add the powder to the Latex-Solution while mixing to achieve a lump-free mix. Use a slow speed drill mixer (400 – 500 rpm) and mix for a minimum of 3 minutes to produce a homogeneous consistency. After a maturity time of 5 minutes mix the material again for 1 minute to attain long workability. Material which is already setting must not be mixed again or diluted as this will affect the final properties.

- polymer additive for cement adhesives and mortars
- plasticizes mortars
- reduces water absorption
- improves adhesion
- improves flexural strength
- achieves low stress curing process

Material base:

Styrene Butadiene Polymer Dispersion

Colour:

Milky White

Solvents:

None

Wet Density:

~ 1.1 kg/lit

Mixing ratio:

see table

Flexural strength:

+ 40% increase

(compared to same mixture without BOTAMENT® Latex)

Water Absorption:

- 13% reduction after 24 hours

(compared to same mixture without BOTAMENT® Latex)

Application conditions:

+8°C to +30°C, max. 80% r.h.

Cleaning:

With water while material is still wet

Mortar Additive

Application:

The processing time is approx. 30 minutes. Apply a thin contact layer onto the substrate with the flat side of a trowel. Right after this use the notched side of the trowel to spread the right amount of adhesive evenly.

For bigger sized tiles use a trowel with bigger notches (min. 8 mm) to ensure sufficient amount and even distribution of adhesive underneath the tile.

The buttering-floating method (combined application of adhesive onto the tiles as well as onto the substrate) to create a cavity free adhesive layer is recommended for external areas as well as for floor areas.

After spreading the adhesive the tiles should be placed immediately. Within 10 minutes the tile can be moved slightly to its final position.

ADDITIVE FOR HIGHER-GRADE MORTAR (e.g. Render, Screed)**Mixing**

Add BOTAMENT® Latex with the ratio of 1:1 to clean water and mix with OPC and sand until an optimal workability for the particular area of use is achieved.

Recommended mixing ratio:

BOTAMENT® Latex	5 - 7 litres
Water	5 -7 litres
OPC	~ 50 kg
Sand	~ 150 kg

Application

The mortar is applied evenly onto the prepared substrate. Avoid direct sunlight and strong wind. Make sure the applied mortar is cured properly, e.g. cover with wet burlaps.

Setting Time:

The drying times are affected by ambient conditions. High temperature and low humidity quicken the drying process whereas low temperature and high humidity retards the drying process.

General Remarks:

Protect materials mixed with BOTAMENT® Latex against moisture until the material is completely dry.

Avoid heavy mechanical stress during curing as this will affect the final bonding strength.

The datasheet of products used in conjunction with BOTAMENT® Latex must be followed.

All technical data stated in this datasheet are based on test under laboratory conditions. Actually achieved data may vary due to ambient and site conditions.

The Material Safety Data Sheet is available on request.

Consumption:

The consumption varies with the site conditions, mixing ratio as well as application method.

Packaging:

20 lit plastic container

Storage:

Keep frost-free and dry.

Shelf life is **9 months** if kept in original, unopened and undamaged packaging.