

BUMA-WP®

BUMALATEX

Multipurpose, concentrated latex

Multi-applications

Increase bonding strength

Increase abrasion resistance

Easy to use

In compliance with
ASTM standard
ASTM C1059
TYPE II
bumatech
Latex Agents for Bonding
Fresh to Hardened Concrete

In compliance with
ASTM standard
ASTM C1438
TYPE II
bumatech
Latex modifiers for hydraulic
cement concrete and mortar



BUMATECH CO., LTD

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PRODUCT DESCRIPTION

BuMaLatex is a concentrated latex admix which is diluted with water on site and then mixed with ready mixed mortar or Portland cement and sand at site to make cement plasters, renders, coatings, mortar beds, tile adhesive or screeds for concrete repairs. Portland cement mortars that have been modified with BuMaLatex have a greatly improved physical characteristic and can be used in exterior, interior, as well as underwater plasters, screeds and renders. Zero VOC certification

USES

- Mix with cement to make cement slurry with high adhesion for bonding new screeds to concrete
- Mix with cement and sand to make screed with low water absorption ratio
- Mix with cement and sand to make plaster, repair mortar with low water absorption ratio

PACKAGING

05 liters/ pail and 20 liters/ pail

COVERAGE

- Slurry bonding coat: 1.0L/10m²
- Screed, plaster: 1.5L/m² at 2cm thickness

SHELF LIFE

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years* if stored off the ground in a dry area and low temperature

*High temperature will reduce the shelf life of bagged product

LIMITATIONS

- Do not use **BuMaLatex** neat as a slurry: always mix with Portland cement.
- Do not use **BuMaLatex** if ambient temperature is lower than 5°C or higher than 35°C

TECHNICAL DATA

Bulk density	1.01 – 1.02 kg/liter
Colour	Milky white
Mixing ratio	Refer relevant table
Drying time	Depend on mixing ratio

- Typical properties of mortars made with **BuMaLatex** diluted 1:3 with water and mixed **Sc300**

Compressive strength	Standard	Result
Flexural strength	ASTM C349	≥ 70%
Bonding strength	ASTM C348	≥ 100%
Waterproofing	ASTM D7234	≥ 140%

All above results compare to reference mixture

- Typical properties of slurry bond coat made with **BuMaLatex** diluted 1:1 with potable water and mixed with 4 kg cement PCB40

Test	Standard	Result
Adhesion strength to concrete substrate	EN 13892	≥ 1.0 MPa

- Typical properties of cementitious tile adhesive **BuMaFix** mix with **BuMaLatex** diluted 1:3 with water

Test	Standard	Result
Tensile adhesion strength	ISO 13007	≥ 1.5MPa
Tensile adhesion strength after heating ageing	EN 1348	≥ 1.0MPa

APPLICATION**Slurry bond coat**

Diluted **BuMaLatex** with water at ratio 1:1 (01L **BuMaLatex** with 01 L potable water). Gradually add 4 kg cement to diluted mixture while slowly mixing. Spray, pour slurry mixture to substrate at 1-2mm thickness. Pour concrete, mortar on slurry bond coat while it is wet.

Waterproofing mortar

Diluted **BuMaLatex** with water at ratio 1:3. Mix to a semi dry consistency for mortar beds and screeds. Mix to a more plastic consistency for renders, stucco and plasters. Clean sand up to 5mm in size may be used in screeds over 20mm in thickness. Mixing ratio between cement and sand must not exceed 1:3.

As a Thin-Set Additive

Diluted **BuMaLatex** with water at ratio 1:3. Place 6.5 – 7.0L diluted **BuMaLatex** in a clean plastic pail & add **BuMaFix** while slowly mixing. Mix to a smooth, trowelable consistency. Allow mortar to slake for 5 - 10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel. Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side.

Cleaning

- Due to high adhesion strength of this product (even on metals), tools should be washed before mixture becomes harden
- Once mixture setting, cleaning can only be carried out by mechanical method

SAFETY PRECAUTIONS

- In case of contact with the eyes, rinse with running water (10-15min)
- Wear protective gloves, clothing and eye and face protection.
- Avoid inhaling dust/fume/mist of product (when use spray application)
- Ensure adequate ventilation during mixing and

application

▪Material Safety Datasheet will be supplied upon request

DISCLAIMER

▪Technical details and recommendations contained in this product datasheet correspond to the best of our knowledge and experiences at the time of printing

▪These details offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products for their requests

▪Technical details and recommendations can be changed by site condition and workmanship of applicators.

▪As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program

▪The newest technical data sheet will be supplied upon user request

TECHNICAL SERVICES/ AVAILABILITY

Information is available by calling

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