QUICK ANSWERS

The 6 questions applicators ask most

What is the mixing ratio?

Three uses, three ratios, all by **kg**. Bonding slurry **1 : 1 : 4** (**BuMaLATEX** : water : cement). Water-resistant mortar 10kg latex + 30 litres water + 50kg cement + 06 buckets of 18L sand. Full table in section 02 inside.

Can it go straight into the mortar?

No. **BuMaLATEX** is **an admixture** — always dilute it with water first, stir into a uniform solution, then mix that solution into the mortar or adhesive.

Which tile adhesive does it work with?

Tile adhesive **BuMaGREEN** — 1.5kg **BuMaLATEX** diluted with 4.5kg water per 25kg bag, for exterior tiling and stone, water tanks and swimming pools.

How long can I use it after mixing?

Bonding slurry **30 minutes** · latex mortar **45 - 60 minutes** · tile adhesive **45 minutes**. Discard anything older — never re-temper with water.

Outdoors and in submerged areas?

Yes. Cement mortar gauged with **BuMaLATEX** solution can be used indoors, outdoors, and as a screed or render in **permanently submerged areas**.

Storage and shelf life?

24 months in the unopened pail, kept in a cool, dry, shaded place. Reseal after use; avoid direct sun, high temperatures and freezing.

More questions? **Scan the Zalo OA code on the back cover** — a BUMATECH engineer will assist you directly during working hours.

BUMATECH

Tile Adhesive • Waterproofing • Dry Mix • Construction Chemicals

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VOC 0g/l
Volatile organic compound content tested to USEPA Method 24 — requirement ≤ 65g/l, result 0g/l. The product is certified VOC-free.

TEST STANDARDS
Bonding slurry — ASTM C1059/C1059M-21
Mixed with adhesive **BuMaGREEN** — TCVN 7899-2:2008 / EN 12004-2:2017

BUMA-WP · WATERPROOFING

MULTI-PURPOSE LATEX ADMIXTURE

BuMaLATEX

Modified styrene butadiene emulsion — diluted with water on site, then mixed into cement mortar or tile adhesive for a layer that is **strongly bonded and water-resistant**.

ASTM C1059/C1059M-21

USE WITH BuMaGREEN

VOC 0g/l

USES
3
Bonding · Mortar · Tiling



≥ 2.8
MPa slant shear bond strength (ASTM C1059)

BUILD BETTER
LIVE GREENER

01 WHY BuMaLATEX?

Ordinary cement mortar bonds poorly to hardened, absorbent concrete. **BuMaLATEX** added to the gauging water turns ordinary mortar into **a strongly bonded, water-resistant mortar** — same application method, no special equipment.

ADHESION ≥ 2.8MPa

Slant shear bond strength tested to ASTM C1059 — new mortar bonds firmly to old concrete

ADHESION ≥ 2.0MPa

Mixed with tile adhesive **BuMaGREEN**, after 28 days — twice the 1.0MPa required by TCVN 7899-2 / EN 12004-2

VOC 0g/l

VOC content tested to USEPA Method 24, requirement ≤ 65g/l — safe for enclosed spaces

02 STANDARDS & MIXING RATIO

ASTM C1059/C1059M-21 · TCVN 7899-2:2008 · EN 12004-2:2017 · USEPA Method 24

Component	Bonding slurry	Water-resistant mortar	Tile adhesive
BuMaLATEX	1kg	10kg	1.5kg
Water	1kg	30 litres	4.5kg
Cement	4kg	50kg	–
Sand	–	06 buckets of 18L	–
Adhesive BuMaGREEN	–	–	25kg

*Mixed with **BuMaGREEN** (TCVN 7899-2:2008 · EN 12004-2:2017), requirement ≥ 1.0MPa: Adhesion at 28 days ≥ **2.0** · after water immersion ≥ **1.5** · after heat ageing ≥ **1.5** · after freeze-thaw cycles ≥ **1.2MPa** · open time 20 minutes Pass (requirement ≥ 0.5) · VOC 0g/l.*

03 TECHNICAL DATA

1.01 specific gravity ± 0.01	**05 - 20** kg per pail	**4** m² per kg · bonding slurry
30 - 60 minutes pot life	**24** months shelf life	**0** g/l VOC · USEPA 24

Coverage: Bonding slurry 1kg per 4m² · latex mortar 1.5kg per 15mm of thickness · tile adhesive 1.5kg per 25kg bag. Milky white. Always dilute with water into a uniform solution before mixing into mortar or adhesive.

04 SCOPE OF USE

- ✓ Bonding slurry between mortar and concrete — mixed with cement
- ✓ Water-resistant mortar — mixed with cement–sand mortar
- ✓ Water-resistant rendering and patch repair mortar
- ✓ Upgrades **BuMaGREEN** for exterior tiling and stone, water tanks, swimming pools



COMPLETE SYSTEM: **BuMaLATEX** + tile adhesive **BuMaGREEN** — for exterior tiling and stone, water tanks and swimming pools. Made in one factory.

05 APPLICATION BY 3 USES

BONDING SLURRY concrete wall	ANTI-CRACK MORTAR block wall	TILING swimming pool
 1 Clean and dampen	 1 Clean and dampen	 1 Clean and dampen
 2 Mix latex 1 : 1	 2 Dilute the latex	 2 Dilute the latex
 3 Mix the slurry	 3 Mix cement, sand	 3 Mix in BuMaGREEN
 4 Brush on slurry	 4 Render and level	 4 Comb the adhesive
 5 Render on wet slurry	 5 Mist to cure	 5 Set and tap tiles

Key reminders: Use the right ratio for each use · Stir into a uniform solution before adding to mortar · Use within pot life, never re-temper with water