QUICK ANSWERS

The 6 questions applicators ask most

What is the mixing ratio?

Three uses, three separate ratios. **Bonding slurry** 1kg **LATEX SP** : 1kg water : 4kg cement. **Water-resistant mortar** 10kg : 30 litres water : 50kg cement : 06 buckets of 18L sand. **Tile adhesive** 1.5kg : 4.5kg water : 25kg **BuMaFIX**.

How far does a 20kg pail go?

As a bonding slurry at 1kg per 4m², a 20kg pail covers about **80m²**. For latex mortar, allow 1.5kg per 15mm of mortar thickness.

How long can I use it after mixing?

Bonding slurry **30 minutes** · latex mortar **45 - 60 minutes** · tile adhesive **45 minutes**. Discard the batch after that — never add water to keep using it.

What does it add to BuMaFIX?

Adhesion after 28 days **≥ 2.5MPa**, after water immersion **≥ 1.8MPa**, after heat ageing **≥ 1.8MPa**, and at 30-minute open time **≥ 1.0MPa**.

Where can it be used?

Bonding new mortar to old concrete, damp areas or high-bond applications; water-resistant rendering and patch repair; tiling and stone in **exterior areas**, **water tanks**, **swimming pool** and **tile-on-tile** when mixed with **BuMaFIX**.

Packaging and storage?

Pails of **05kg** and **20kg**, milky white, specific gravity 1.01. Shelf life **24 months** in the unopened pail; store in a cool, dry, shaded place and reseal after use.

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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THREE USES, ONE PAIL
Bonding slurry: 1kg LATEX SP + 1kg water + 4kg cement. Water-resistant mortar: 10kg + 30 litres water + 50kg cement + 06 buckets of 18L sand. Tile adhesive: 1.5kg + 4.5kg water + 25kg BuMaFIX.

PRODUCT CLASSIFICATION
ASTM C1059 Type II — latex admixture for mortars, floor screeds and tile adhesives

BUMA-WP · WATERPROOFING

SPECIAL BONDING ADMIXTURE

LATEX SP

Styrene butadiene latex admixture — for bonding slurries, water-resistant mortar and upgrading tile adhesive **BuMaFIX**. One pail, three uses.

- ASTM C1059 TYPE II
- USE WITH BuMaFIX
- ZERO VOC CONTENT

BONDING SLURRY COVERAGE

04

m² per kg

LATEX : water : cement = 1 : 1 : 4



04
m² per kg · bonding slurry 1 : 1 : 4

BUILD BETTER
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01 WHY LATEX SP?

Fresh mortar barely bonds to old concrete. **LATEX SP** fixes exactly that joint — and the same pail also makes water-resistant mortar and exterior tile adhesive.

THREE USES, ONE PAIL

Old concrete to new mortar bonding · water-resistant cement–sand mortar · upgraded tile adhesive **BuMaFIX** — each with its own mixing ratio, listed in section 03

ASTM C1059 TYPE II

Slant shear bond strength ≥ 8.6MPa to ASTM C1059/C1059M-21 — new mortar bonds firmly to old concrete

ZERO VOC CONTENT

0g/l to USEPA Method 24 against a 65g/l limit — no solvent odour indoors

02 STANDARDS & TEST RESULTS

ASTM C1059 Type II · TCVN 7899-2:2008 · EN 12004-2:2017 · USEPA Method 24

Property	Requirement	LATEX SP
Slant shear bond strength	≥ 8.6MPa	**Pass**
Adhesion at 28 days, with **BuMaFIX**	≥ 1.0MPa	**≥ 2.5MPa**
After water immersion, with **BuMaFIX**	≥ 1.0MPa	**≥ 1.8MPa**
After heat ageing, with **BuMaFIX**	≥ 1.0MPa	**≥ 1.8MPa**
After freeze-thaw cycles, with **BuMaFIX**	≥ 1.0MPa	**≥ 1.5MPa**
At 30-minute open time, with **BuMaFIX**	≥ 0.5MPa	**Pass**
Volatile organic compound content	≤ 65g/l	**0g/l**

*The first property is tested as a bonding slurry and water-resistant mortar (ASTM C1059/C1059M-21). The next five are for the system of **BuMaFIX** mixed with **LATEX SP** (TCVN 7899-2:2008 · EN 12004-2:2017).*

03 TECHNICAL DATA

20 kg per pail (also 05kg)	**1.01** specific gravity	**04** m² per kg bonding slurry
30 min pot life · slurry	**45 - 60** min pot life · mortar	**24** months shelf life

*Milky white · Coverage: Bonding slurry 1kg/4m² · latex mortar 1.5kg per 15mm of thickness · tile adhesive 1.5kg per **BuMaFIX** 25kg bag · Tile adhesive pot life 45 minutes · Store in a cool, dry, shaded place.*

04 SCOPE OF USE

- ✓ Bonding slurry between new mortar and concrete — mixed with cement
- ✓ Water-resistant cement–sand mortar: rendering and patch repair
- ✓ Mixed with **BuMaFIX** tile adhesive for exterior tiling and stone
- ✓ Water tanks, swimming pools and tile-on-tile — mixed with **BuMaFIX**

Suited to bonding old and new concrete, damp areas and high-bond applications · Do not apply on strongly vibrating surfaces or permanently submerged areas without specific technical guidance.

05 APPLICATION IN 10 STEPS



1 Prepare the surface



2 Dampen evenly



3 Measure the water



4 Dilute the latex



5 Add the materials



6 Mix until uniform



7 Bonding slurry



8 Render or screed



9 Cure



10 Use with tile adhesive

Key reminders: One ratio per use — never mix them up · Lay mortar onto the bonding slurry while still wet · Use each batch within the time in section 03 · Add no extra cement, sand or admixture beyond the instructions