QUICK ANSWERS

The 6 questions applicators ask most

How much water does it need?

A 25kg bag needs 6.25 - 6.75L of water, grey or white. Pour the powder slowly into the water while mixing at low speed, wait 5 minutes, then remix briefly and it is ready.

What tile sizes will it hold?

Floors up to 100×300cm indoors and outdoors. Walls up to 3m high take 100×300cm tiles indoors and 90×180cm outdoors.

Can it be used on vibrating substrates?

Yes. **BuMaFLEX** is class C2TES1 with 2.5 - 5.0mm transverse deformation to EN 12004-1 — it flexes with the substrate, so joints do not crack under vibration or temperature swings.

When can I grout?

Walls after 6 hours, floors after 24 hours. Foot traffic is allowed after 24 hours and the installation is ready to use after 7 days.

How far does one bag go?

Coverage is about 1.15kg/m² per 1mm of adhesive thickness. Recommended thickness is 2 - 15mm, depending on how flat the substrate is.

Where should it not be used?

Walls above 6m need written technical advice. Everywhere else — including swimming pools, potable water tanks, cemboard and vibrating substrates — is fine.

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

BUILD BETTER · LIVE GREENER

MEMBER

HEAD OFFICE
154/1/5 Cong Lo, Tan Son Ward, Ho Chi Minh City

OFFICE
91 Hoang Bat Dat, Tan Son Ward, Ho Chi Minh City

FACTORY
820 Ap Chanh, Duc Lap Commune, Tay Ninh Province

FOLLOW US

FACEBOOK · YOUTUBE · ZALO OA · BuMaFLEX

QUICK COVERAGE — 25kg BAG

1mm layer	2mm layer	3mm layer	5mm layer
21.7m²	10.8m²	7.2m²	4.3m²

Based on 1.15kg/m² per 1mm of thickness, rounded down
Recommended thickness 2 - 15mm

In compliance with EUROPEAN standard EN 12004:2017 C2TES1 — Cementitious adhesive for ceramic tiles

PRODUCT CLASSIFICATION
EN 12004 class C2TES1 — improved adhesion, slip resistance, extended open time, deformable

Hotline 0979 793 804 · BUMATECH.VN

BUMA-TA · TILE ADHESIVE

PREMIUM FLEXIBLE TILE ADHESIVE

BuMaFLEX

High-polymer flexible tile adhesive — S1 deformability, tiles up to 100×300cm and areas subject to vibration.

- EN 12004-1 · CLASS C2TES1
- ZERO VOC CONTENT
- TRANSVERSE DEFORMATION S1

ENVIRONMENTAL DECLARATION
EPD
INTERNATIONAL EPD SYSTEM
EPD-IES-0028309
ISO 14025 · EN 15804



100×300
Largest tile format, indoors and out (cm)

BUILD BETTER
LIVE GREENER

01 WHY BuMaFLEX?

Large tiles on vibrating substrates or under strong temperature swings crack rigid adhesives. **BuMaFLEX** flexes with the substrate — S1 transverse deformation to EN 12004-1.

ADHESION ≥ 2.0MPa

Adhesion after 28 days and after water immersion, twice the 1.0MPa standard minimum

TRANSVERSE DEFORMATION S1

Transverse deformation 2.5 - 5.0mm to EN 12004-1 — handles vibration and temperature swings without cracked joints

TILES UP TO 100×300cm

Floors indoors and outdoors, no admixture needed

02 STANDARDS & TEST RESULTS

EN 12004-1:2017 · TCVN 7899-2:2008 · EN 12004-2:2017 · ANSI A118.4 · USEPA Method 24

Property	Requirement	BuMaFLEX
Adhesion after 28 days	≥ 1.0MPa	**≥ 2.0MPa**
Adhesion after water immersion	≥ 1.0MPa	**≥ 2.0MPa**
Adhesion after heat aging	≥ 1.0MPa	**≥ 1.5MPa**
Adhesion after freeze-thaw cycles	≥ 1.0MPa	**≥ 1.2MPa**
Adhesion after 30-minute open time	≥ 0.5MPa	**Pass**
Slip	≤ 0.5mm	**Pass**
Transverse deformation	2.5mm ≤ S ≤ 5.0mm	**Pass**
Shear adhesion to porcelain tile	≥ 1.38MPa	**Pass**
Volatile organic compound (VOC) content	≤ 65g/l	**0g/l**

03 TECHNICAL DATA

25 kg per bag	**6.25 - 6.75** L water per bag	**1.15** kg/m² per 1mm layer
2 - 15 mm recommended thickness	**20** minutes adjusting time	**08** hours pot life at 35°C

Grey or white · Open time 30 minutes · Substrate temperature 5 - 35°C · Grouting: Walls after 6 hours, floors after 24 hours · Set to foot traffic after 24 hours · Ready to use after 07 days · Shelf life 12 months in an unopened bag.

04 APPLICATION AREAS & TILE SIZES

Application area	Interior	Exterior (covered)	Exterior (uncovered)
Floor tiling	100×300	100×300	100×300
Wall tiling (max height 3m)	100×300	90×180	90×180
Wall tiling (max height 6m)	100×300	90×180	80×160
Walls above 6m height	CONTACT TECHNICAL DEPARTMENT		
Tile-on-tile installation	60×120	CONTACT TECHNICAL DEPARTMENT	
Swimming pools	40×80		
Potable water tanks	80×80		
Cemboard	80×80		
Cementitious / acrylic / PU waterproofed surface	80×80	80×80	80×80

Dimensions in cm × cm · Maximum tile load 60kg/m²; for best adhesion back-butter the tile or stone.

Key reminders: Always test a small area before full-scale work · Do not add cement, sand or any admixture beyond these instructions · Reseal the bag after use to prevent moisture uptake

⚠ Steps 6 and 12 are recommended practice, not required by the TDS.

05 APPLICATION IN 12 STEPS


1 Check the substrate


2 Measure the water


3 Add powder to water


4 Mix at low speed


5 Wait 5 minutes, remix


6 Dampen the substrate ⚠


7 Skim a thin coat


8 Comb with a notched trowel


9 Back-butter the tile


10 Set the tile, tap evenly


11 Fit clips and wedges


12 Wipe off excess ⚠