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?

Interior and covered exterior floors up to 90×180cm, and walls up to 3m high with 80×160cm tiles. Uncovered exterior floors up to 80×80cm.

What tile weight can it carry?

Up to 60kg/m². Back-butter the tile or stone for best adhesion — especially with large formats and natural stone.

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 1.25kg/m² per 1mm of adhesive thickness. Recommended thickness is 2 - 15mm, depending on how flat the substrate is.

Where should it not be used?

Cemboard: Not declared in the TDS («—») — contact the technical department. Walls above 6m and substrates subject to heavy vibration need written technical advice. Swimming pools and potable water tanks: tiles and stone with water absorption above 3% only.

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

SINGAPORE GREEN BUILDING COUNCIL MEMBER

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

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

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QUICK COVERAGE — 25kg BAG

1mm layer	2mm layer	3mm layer	5mm layer
20.0m²	10.0m²	6.6m²	4.0m²

Based on 1.25kg/m² per 1mm of thickness, rounded down
Recommended thickness 2 - 15mm

In compliance with EUROPEAN standard EN 12004:2017 C2 BUMATECH Cementitious adhesive for ceramic tiles

PRODUCT CLASSIFICATION
EN 12004 class C2 — improved cementitious adhesive, achieved with water alone

Hotline 0979 793 804 · BUMATECH.VN

BUMA-TA · TILE ADHESIVE

EXTERIOR TILE ADHESIVE

BuMaSET

High-quality tile adhesive — class C2 with water alone, for interior and exterior use.

EN 12004-1 · CLASS C2

ZERO VOC CONTENT

MEETS ANSI A118.4

ENVIRONMENTAL DECLARATION
EPD
INTERNATIONAL EPD SYSTEM
EPD-IES-0028311
ISO 14025 · EN 15804



90×180
Largest interior floor tile format (cm)

BUILD BETTER
LIVE GREENER

01 WHY BuMaSET?

Exterior tiling faces sun, rain and constant temperature swings. **BuMaSET** meets class C2 with water alone — no extra admixture needed to reach the standard.

C2 WITH WATER ALONE
Mixed with water it is class C2 to EN 12004-1 — no latex admixture needed

ADHESION ≥ 1.4MPa
28-day adhesion, 1.4 times the 1.0MPa standard minimum

10 MINUTES ADJUSTING TIME
10 minutes adjusting time to align joints and level the tile surface

02 STANDARDS & TEST RESULTS

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

Property	Requirement	BuMaSET
Adhesion after 28 days	≥ 1.0MPa	**≥ 1.4MPa**
Adhesion after water immersion	≥ 1.0MPa	**≥ 1.2MPa**
Adhesion after heat aging	≥ 1.0MPa	**≥ 1.0MPa**
Adhesion after freeze-thaw cycles	≥ 1.0MPa	**≥ 1.0MPa**
Adhesion after 20-minute open time	≥ 0.5MPa	**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	**1.25** kg/m² per 1mm layer
2 - 15 mm recommended thickness	**10** minutes adjusting time	**04** hours pot life at 35°C

Grey or white · 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	90×180	90×180	80×80
Wall tiling (max height 3m)	80×160	60×120	60×120
Wall tiling (max height 6m)	90×90	80×80	40×80
Walls above 6m height	CONTACT TECHNICAL DEPARTMENT		
Tile-on-tile installation	60×60*	CONTACT TECHNICAL DEPARTMENT	
Swimming pools	40×80*		
Potable water tanks	80×80*		
Cemboard	–		
Cementitious / acrylic / PU waterproofed surface	40×40	40×40	40×40

*Dimensions in cm × cm · * For tiles and stone with water absorption > 3% only · «–»: Not declared in the TDS, contact the technical department · 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 ⚠