QUICK ANSWERS

The 6 questions applicators ask most

How much water does it need?

The grey 25kg bag needs 6.25 - 6.75L, the white one 6.63 - 6.88L. 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 floor tiling up to 80×160cm, and walls up to 3m high with 90×90cm tiles. For larger formats, up to 100×300cm, mix with **CeRaLASTIC**.

How do I upgrade it to class C2TES1?

Replace the mixing water with **CeRaLASTIC**. The product then meets class C2TES1 to EN 12004-1 — improved adhesion, slip resistance, extended open time and S1 deformability.

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 1.30kg/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 and substrates subject to heavy vibration need written technical advice. Swimming pools, water tanks and cemboard are fine, but must be mixed with **CeRaLASTIC**.

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

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QUICK COVERAGE — 25kg BAG

1mm layer	2mm layer	3mm layer	5mm layer
19.2m²	9.6m²	6.4m²	3.8m²

Based on 1.30kg/m² per 1mm of thickness, rounded down
Recommended thickness 2 - 15mm

In compliance with EUROPEAN standard EN 12004:2017 C1T · C2TES1

PRODUCT CLASSIFICATION
EN 12004 class C1T when mixed with water · Upgrades to class C2TES1 when mixed with **CeRaLASTIC**

Hotline 0979 793 804 · BUMATECH.VN

BUMA-TA · TILE ADHESIVE

INTERIOR & EXTERIOR TILE ADHESIVE

BuMaECO

High-adhesion, slip-resistant tile adhesive for ceramic, porcelain and natural stone, indoors and outdoors.

- EN 12004-1 · CLASS C1T
- ZERO VOC CONTENT
- UPGRADES TO C2TES1 WITH CeRaLASTIC

ENVIRONMENTAL DECLARATION
EPD
INTERNATIONAL EPD SYSTEM
EPD-IES-0028307
ISO 14025 · EN 15804



≥ 1.4
MPa · 28-day adhesion when mixed with water

BUILD BETTER
LIVE GREENER

01 WHY BuMaECO?

Large-format wall tiles tend to slip while the adhesive is wet, and exterior substrates move with temperature. **BuMaECO** handles both — ≥ 1.4MPa adhesion with water alone, and it meets the slip requirement.

ADHESION ≥ 1.4MPa

28-day adhesion, almost three times the 0.5MPa standard minimum; rises to ≥ 2.5MPa when mixed with **CeRaLASTIC**

SLIP ≤ 0.5mm

Meets the EN 12004 slip requirement — large wall tiles stay put while the adhesive is wet

ONE PRODUCT, TWO CLASSES

Mixed with water it is class C1T; mixed with **CeRaLASTIC** it meets class C2TES1 and adds deformability

02 STANDARDS & TEST RESULTS

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

Property	Requirement	BuMaECO	+ CeRaLASTIC
Adhesion after 28 days	≥ 0.5MPa	**≥ 1.4MPa**	**≥ 2.5MPa**
Adhesion after water immersion	≥ 0.5MPa	**≥ 1.2MPa**	**≥ 1.5MPa**
Adhesion after heat aging	≥ 0.5MPa	**≥ 0.5MPa**	**≥ 3.0MPa**
Adhesion after freeze-thaw cycles	≥ 0.5MPa	**≥ 0.8MPa**	**≥ 1.2MPa**
Adhesion at open time	≥ 0.5MPa	**20 min: Pass**	**30 min: Pass**
Slip	≤ 0.5mm	**Pass**	**Pass**
Transverse deformation	2.5mm ≤ S ≤ 5.0mm	**–**	**Pass**
Shear adhesion to porcelain tile	≥ 1.38MPa	**Pass**	**Pass**
Volatile organic compound (VOC) content	≤ 65g/l	**0g/l**	**0g/l**

The «+ CeRaLASTIC» column shows results when mixed with CeRaLASTIC. «–» means the TDS does not declare a result for that property.

03 TECHNICAL DATA

25 kg per bag	**6.25 - 6.75** L water (grey bag)	**1.30** kg/m² per 1mm layer
2 - 15 mm recommended thickness	**10** minutes adjusting time	**04** hours pot life at 35°C

Grey or white; the white bag needs 6.63 - 6.88L of water · Open time 20 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	80×160 100×300*	80×160 100×300*	60×120 100×300*
Wall tiling (max height 3m)	90×90 100×300*	80×80 90×180*	60×60 90×180*
Wall tiling (max height 6m)	80×80 100×300*	60×60 90×180*	40×80 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 · * When mixed with CeRaLASTIC · 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 ⚠