


# BuMaSET

EXTERIOR TILE ADHESIVE
HIGH PERFORMANCE

## PRODUCT DESCRIPTION

BuMaSET is a factory-blended powder which, mixed with water, forms an adhesive mortar for installing medium-format ceramic tiles, porcelain tiles and stone in interior and exterior areas. Classified C2 to TCVN 7899-1:2008 and EN 12004-1:2017; meets ANSI 118.4 and is certified free of volatile organic compounds.

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

LOW VOC

CLASSIFICATION · CERTIFICATION
EN 12004-1:2017
C2 — improved cementitious tile adhesive

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

## QUICK SPECIFICATIONS

| | |
|---|---|
| PACKAGING | 25kg/bag |
| COLOUR | Grey / White |
| SHELF LIFE | 12 months (unopened bag) |
| WATER MIXING RATIO | 6.25 - 6.75L per 25kg bag |
| COVERAGE | ~1.25kg/m² per 1mm thickness |
| POT LIFE | 04 hours at 35°C |
| SUBSTRATE TEMPERATURE | 5 - 35°C |
| ADJUSTING TIME | 10 minutes |
| RECOMMENDED THICKNESS | 2 - 15mm |
| GROUTING TIME | Wall: after 06 hours<br>Floor: after 24 hours |
| SET TO FOOT TRAFFIC | 24 hours |
| READY TO USE | 07 days |



FEATURED PROJECT
Feliz en Vista

## APPLICATIONS

- **Finishing materials:** ceramic tiles, porcelain tiles and natural stone
- **Maximum tile load:** 60kg/m² · For optimal adhesion, apply an additional thin layer of adhesive to the back of the tile or stone
- **Suitable substrates:** concrete, cementitious screed and plaster surfaces, cemboard, existing tiled surfaces, waterproofed surfaces

## APPLICATION AREAS & TILE SIZES (cm × cm)

| 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 |

* For tiles and stone with water absorption > 3% only

## TECHNICAL DATA

| Property | Standard | Requirement | Result |
|---|---|---|---|
| Adhesion strength after 28 days | TCVN 7899-2:2008<br>EN 12004-2:2017 | ≥ 1.0MPa | ≥ 1.4MPa |
| Adhesion strength after water immersion | | | ≥ 1.2MPa |
| Adhesion strength after heat aging | | | ≥ 1.0MPa |
| Adhesion strength after freeze-thaw cycles | | | ≥ 1.0MPa |
| Adhesion strength after 20-minute open time | | ≥ 0.5MPa | Pass |
| Shear adhesion strength to porcelain tile | ANSI A118.4 | ≥ 1.38MPa | |
| Alkali resistance | – | – | Very good |
| Oil resistance (poor with vegetable oils) | | | Very good |
| Solvent resistance | | | Very good |
| Volatile organic compound (VOC) content | USEPA Method 24 | ≤ 65g/l | 0g/l |

The above results and recommendations are based on laboratory testing; actual performance may vary depending on the application method and specific site conditions

## SAFETY INFORMATION

- **Skin and eyes:** this product contains cement and is alkaline; it may cause skin irritation, mild burns or an allergic reaction in sensitive individuals. Cement, whether dry or wet, can cause serious eye injury
- **Eye contact:** rinse immediately under gently running clean water for 10 - 15 minutes without rubbing; seek medical attention if irritation persists
- **Protective equipment:** Gloves · Safety goggles · Dust mask (when mixing or cutting tiles) · Protective clothing
- **Working environment:** work in a well-ventilated area; avoid confined spaces and keep children and pets away; avoid inhaling cement dust when mixing dry material
- **Surplus material:** reseal the bag after use to prevent moisture uptake; do not discharge into drains — allow to harden and dispose of as construction waste
- Refer to the latest **Safety Data Sheet (SDS)** on the official BUMATECH website, or contact the technical department

## PRECAUTIONS & DISCLAIMER

- Always carry out a trial application on a small area to verify adhesion and compatibility between the adhesive, the tile or stone and the substrate under actual site conditions before proceeding to full-scale work
- Do not use outside the recommended temperature range, on substrates subject to heavy vibration, or in permanently submerged areas without written technical advice from BUMATECH
- Do not mix with admixtures, cement, sand or any other product beyond these instructions — doing so alters the technical characteristics and voids the manufacturer's undertakings
- Observe the stated open time, adjusting time and grouting waiting time; do not place the work into service earlier than recommended
- The figures in this document were established by laboratory testing under standard conditions; actual values vary with temperature, humidity, accompanying materials, application method and workmanship. The user is responsible for verifying suitability for the intended use
- BUMATECH accepts no liability for loss arising from misuse, application contrary to these instructions, or combination with incompatible materials not confirmed in writing, and reserves the right to update technical information without prior notice. Check the latest TDS version on the website before every project

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COMPANY PROFILE BUMATECH

