QUICK ANSWERS

The 6 questions applicators ask most

How is it different from FLEX WP 2K?

Both are two-component cementitious systems, but **BuMaLASTIC** has a **higher polymer content**: elongation **230%** versus 30%, crack bridging **≥ 1.2mm** versus 0.75mm. Choose it where the substrate has micro-movement or tends to hairline cracking.

What is the mixing ratio?

Ratio **1 : 1.5** — one part liquid (A) to one and a half parts powder (B), pre-measured in the set. Mix with a low-speed mixer until uniform.

How long can I use it after mixing?

1 hour at 35°C, RH ≥ 60% — longer than **FLEX WP 2K**. Wait **30 - 60 minutes** between coats; recoat when touch dry.

Can it be used in marine environments?

Yes. The TDS states that it **protects concrete in marine environments** or where chloride and sulphate are present — adhesion after chlorinated and lime water stays ≥ 0.8MPa.

Do I need reinforcing mesh?

Recommended at wall-floor corners, pipe collars and cracked areas. With **BuMaMESH**, crack bridging rises from 1.2mm to **≥ 2.0mm**.

Does the product have an EPD?

Yes — **EPD-IES-0028317** to ISO 14025 and EN 15804. Suitable for green building submissions that require an environmental product declaration.

More questions? **Scan the Zalo OA code on the back cover** — a BUMATECH engineer will assist you directly during working hours.

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EPD INTERNATIONAL EPD SYSTEM

EPD-IES-0028317
Environmental Product Declaration (ISO 14025 · EN 15804) — registered for BuMaLASTIC

EN 14891 CMP · EN 1504-2 (C) PI-MC-PR

PRODUCT CLASSIFICATION
Cementitious waterproofing
EN 14891 class CMP · Concrete protective coating EN 1504-2 (C)

BUMA-WP · WATERPROOFING

HIGH-ELASTICITY WATERPROOFING

BuMaLASTIC

Enhanced cementitious system with high polymer content, 1 : 1.5 (liquid : powder) ratio — an outstandingly elastic membrane that accommodates micro-movement and limits hairline cracking on concrete and masonry.

ELONGATION 230%

CRACK BRIDGING ≥ 1.2mm

EN 14891 CMP

ENVIRONMENTAL DECLARATION
EPD
INTERNATIONAL EPD SYSTEM
EPD-IES-0028317
ISO 14025 · EN 15804



230%
elongation at break after 28 days (ASTM D412)

BUILD BETTER
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01 WHY BuMaLASTIC?

Concrete and masonry always move slightly — temperature, loads, shrinkage. A rigid membrane cracks with them. **BuMaLASTIC** raises the polymer content so the membrane **stretches 230% while bonding at ≥ 1.2MPa**, absorbing movement instead of breaking with the substrate.

ELONGATION 230%

Nearly eight times **FLEX WP 2K** (30%) — absorbs micro-movement and limits hairline cracking on concrete

CRACK BRIDGING ≥ 1.2mm

With BuMaMESH it rises to ≥ 2.0mm — existing cracks can be treated without chasing them out

PUBLISHED EPD

EPD-IES-0028317 to ISO 14025 · EN 15804 — suitable for green building submissions

02 STANDARDS & TECHNICAL PROPERTIES

BS EN 14891:2017 | EN 1504-2 | ASTM D412-16(2021) | ASTM D2240-15

Property	Standard	Result
Adhesion strength under standard conditions	BS EN 14891:2017	≥ 1.2MPa
Adhesion strength after water contact	BS EN 14891:2017	≥ 1.0MPa
Adhesion strength after heat aging	BS EN 14891:2017	≥ 1.2MPa
Adhesion strength after contact with lime water	BS EN 14891:2017	≥ 0.8MPa
Adhesion strength after contact with chlorinated water	BS EN 14891:2017	≥ 0.8MPa
Watertightness (150kPa for 7 days)	BS EN 14891:2017	No penetration
Crack bridging ability	BS EN 14891:2017	≥ 1.2mm
Crack bridging ability when used with BuMaMESH 70 / BuMaMESH 150	BS EN 14891:2017	≥ 2.0mm
Elongation at break after 28 days	ASTM D412-16(2021)	230% ± 23%
Maximum tensile strength	ASTM D412-16(2021)	≥ 1.4MPa
Shore A hardness	ASTM D2240-15	≥ 55

*Data per TDS **BuMaLASTIC** v2026.10 — laboratory test results.*

03 TECHNICAL DATA

1 : 1.5 liquid : powder ratio	**230%** elongation at break	**≥ 55** Shore A hardness
1 hour pot life at 35°C	**30 - 60** min between coats	**24** months shelf life

Packaging: 7.5kg · 20kg · 25kg sets (A 10kg + B 15kg). Coverage 1.0 - 1.5kg/m² for external walls and sanitary areas; 2.0 - 3.0kg/m² for basement walls, swimming pools and roofs. A milky white liquid · B grey powder · mixed product grey.

04 SCOPE OF USE

- ✓ External walls, basement walls, potable water tanks, kitchens and sanitary rooms
- ✓ Balconies, planters, swimming pools and water features
- ✓ Flat concrete roofs, gutters and precast wall panels
- ✓ Protects concrete in marine, chloride and sulphate environments



COMPLETE SYSTEM: **BuMaLASTIC** with **BuMaMESH** reinforcing mesh at wall-floor corners, pipe collars and cracked areas — raises crack bridging from 1.2mm to **≥ 2.0mm**.

05 APPLICATION IN 9 STEPS



1 Check substrate and moisture



2 Clean and roughen



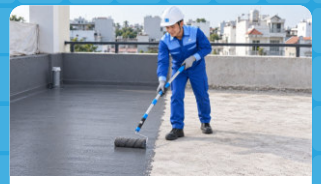
3 Fill cracks, apply BuMaTAPE



4 Treat pipe collars and corners



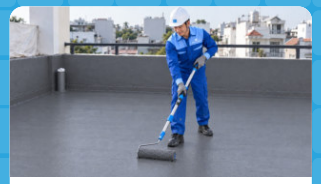
5 Mix both components 1:1.5



6 Roll the first coat



7 Lay BuMaMESH



8 Next coat at right angles



9 Flood test after 3 - 7 days

Key reminders: Mix exactly 1:1.5, no added water · Lay mesh at corners and cracks · Apply the full number of coats, each at right angles to the last