QUICK ANSWERS

The 6 questions applicators ask most

What is the mixing ratio?

Ratio **1 : 3** — one part liquid (A) to three parts powder (B), pre-measured in the set. Mix with a low-speed mixer until uniform and lump-free.

How long can I use it after mixing?

45 minutes at 35°C, RH ≥ 60%. Mix only what you can use; once the mix starts to set, discard it — never add water to remix.

How long between coats?

20 - 40 minutes, or longer depending on the weather — recoat when touch dry. Apply the next coat at right angles to the previous one.

When can I flood test?

After **3 - 7 days** depending on project requirements. Before screeding or tiling on top, wait at least **7 days**.

Can I tile directly on it?

Yes, but **use a C2 or higher tile adhesive** — see the BUMA-TA range. Do not use plain cement mortar, which bonds poorly to the membrane.

How much crack bridging?

≥ 0.75mm; with **BuMaMESH** reinforcing mesh it rises to **≥ 1.0mm** — recommended at wall-floor corners, pipe collars and already cracked areas.

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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EN 14891 CMP · EN 1504-2 (C) PI-MC-PR
Cementitious liquid-applied waterproofing class CMP — and a concrete surface protection system to EN 1504-2, principles PI · MC · PR.

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

TWO-COMPONENT FLEXIBLE WATERPROOFING

FLEX WP 2K

Two-component cementitious polymer waterproofing, pre-measured at a 1 : 3 (liquid : powder) ratio — a hard, abrasion-resistant membrane and a cost-efficient choice for standard waterproofing works.

EN 14891 CMP

WATERTIGHT AT 150kPa

SHORE A ≥ 80

PRODUCT CLASSIFICATION
In compliance with European standard
EN 14891 CMP
LIQUID APPLIED WATER IMPERMEABLE PRODUCTS
EN 14891 CMP · EN 1504-2



≥ 1.4
MPa adhesion strength (BS EN 14891)

BUILD BETTER
LIVE GREENER

01 WHY FLEX WP 2K?

Most residential waterproofing does not need a super-elastic membrane — it needs a membrane that is **solid, strongly bonded and fairly priced**. **FLEX WP 2K** is a two-component, high-cement polymer system giving a hard, abrasion-resistant membrane, adhesion ≥ 1.4MPa, retained after heat aging.

1 : 3 RATIO

Liquid : powder pre-measured in the set — mix to ratio for a consistent membrane, whoever does the mixing

SHORE A ≥ 80

Hard and abrasion resistant once cured — ready for screeding, tiling or site traffic on top

ZERO VOC CONTENT

Safe for applicators in ventilated enclosed spaces such as basements, bathrooms and potable water tanks

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	≥ 1.4MPa
Adhesion strength after water contact	BS EN 14891:2017	≥ 1.0MPa
Adhesion strength after heat aging	BS EN 14891:2017	≥ 1.4MPa
Adhesion strength after contact with lime water	BS EN 14891:2017	≥ 1.2MPa
Adhesion strength after contact with chlorinated water	BS EN 14891:2017	≥ 1.2MPa
Watertightness (150kPa for 7 days)	BS EN 14891:2017	No penetration
Crack bridging ability	BS EN 14891:2017	≥ 0.75mm
Crack bridging ability when used with BuMaMESH 70 / BuMaMESH 150	BS EN 14891:2017	≥ 1.0mm
Elongation at break after 28 days	ASTM D412-16(2021)	30% ± 10%
Maximum tensile strength	ASTM D412-16(2021)	≥ 1.5MPa
Shore A hardness	ASTM D2240-15	≥ 80

*Data per TDS **FLEX WP 2K** v2026.10 — laboratory test results.*

03 TECHNICAL DATA

1 : 3 liquid : powder ratio	**≥ 80** Shore A hardness	**30%** elongation at break
45 minutes pot life at 35°C	**20 - 40** min between coats	**24** months shelf life

Packaging: 8.0kg · 20kg · 33.5kg sets (A 8.5kg + B 25kg). Coverage 1.5 - 2.0kg/m² for balconies, kitchens and sanitary rooms; 2.5 - 3.5kg/m² for basement walls, swimming pools and roofs. Elongation at break 30% ± 10% and Shore A hardness ≥ 80 to ASTM. A milky white liquid · B grey powder · mixed product grey.

04 SCOPE OF USE

- ✓ Basement walls, potable water tanks, kitchens and sanitary rooms
- ✓ Balconies, planters, swimming pools and water features
- ✓ Flat concrete roofs, gutters and precast wall panels
- ✓ Cement render and screed, concrete, cement board and existing tile or stone



COMPLETE SYSTEM: **FLEX WP 2K** + **BuMaFAB** / **BuMaTAPE** — **BuMaFAB** mesh and **BuMaTAPE** reinforce corners: wall bases, wall-floor junctions and pipe collars. Made in one factory.

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 Dampen the surface


6 Mix both components 1:3


7 Apply the first coat


8 Next coat at right angles


9 Flood test after 3 - 7 days

Key reminders: Mix exactly 1:3, no added water · Apply the full number of coats, each at right angles to the last · Tile only with C2 or higher adhesive