QUICK ANSWERS

The 6 questions applicators ask most

How is SLU 210.16 mixed correctly?

Pour **4.6 litres** of clean water into a clean pail, then slowly add one 20kg bag while mixing. Use a low-speed mixer (about 300rpm) for about 2 minutes to a smooth, lump-free consistency; let stand for 1 minute, then remix. Do not exceed the specified water.

How thick should it be poured?

Each layer is **2 to 10mm**, maximum 10mm per layer. For 10 - 20mm, add 0.6 - 1.2mm sand, **max. 30%** of powder weight, and trial before full-scale application.

Which substrates need priming?

Highly absorbent substrates: brush, spray or roll on **BuMaPRIMER** 2 - 3 times. Existing tile or stone must be firmly bonded (pull-off ≥ 0.5MPa); abrade, wash, let dry, then apply a bonding coat of **BuMaFLEX**.

When can it be walked on?

Light foot traffic after about **3 hours** at 3 - 5mm thickness. Tile, PVC, vinyl, carpet, rubber or raised access flooring after **6 to 24 hours**.

How far does one bag go?

Coverage is about 1.70kg/m² per 1mm thickness. A 20kg bag covers 5.8m² at 2mm, 2.3m² at 5mm.

What are the site conditions?

Sound substrate, mechanically roughened to **CSP 2 - 3** (ICRI 310.2R-2013), pull-off strength ≥ 0.5MPa to ASTM C1583/C1583M-25; surface temperature 4 - 32°C. Repair cracks by injection with BUMA-SP Bond 81.

More questions? **Scan the Zalo OA code on the back cover** — BUMATECH engineers advise you directly, replying during working hours.

BUMATECH

Tile Adhesive • Waterproofing • Dry Mix • Construction Chemicals

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QUICK COVERAGE — 20kg BAG

2mm layer	3mm layer	5mm layer	10mm layer
5.8m²	3.9m²	2.3m²	1.1m²

Based on 1.70kg/m² per 1mm of thickness, rounded down
Recommended thickness 2 - 10mm per layer

In compliance with EUROPEAN standard · EN 13813 · CT - B0,5 · C16 - F5 · Screed Material and Floor screed

PRODUCT CLASSIFICATION
EN 13813:2002 class CT-C16-F5-B0,5 — cementitious screed, compressive class C16, flexural F5, bond B0,5

FAST-DRYING UNDERLAYMENT COMPOUND

SLU 210.16

Interior underlayment self-levelling compound, 2 - 10mm — fast drying, light foot traffic after ~3 hours, ready to use after 6 - 24 hours.

EN 13813:2002 · CT-C16-F5-B0,5

FOOT TRAFFIC IN 3 HOURS

FLOW ≥ 125mm

In compliance with EUROPEAN standard · EN 13813 · CT - B0,5 · C16 - F5 · Screed Material and Floor screed



≥ 16
MPa compressive strength after 28 days · C16

BUILD BETTER
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01 WHY SLU 210.16?

A flat floor is the foundation of every good finish. **SLU 210.16** finds its own level like water — it spreads evenly once poured, independent of screeding skill.

FAST DRYING
Light foot traffic after about 3 hours at 3 - 5mm thickness; ready for finishes such as tile, stone, PVC, vinyl or carpet after 6 - 24 hours

EARLY STRENGTH
Compressive strength ≥ 1.0MPa after 6 hours, ≥ 7.0MPa after 24 hours and ≥ 16.0MPa after 28 days (C16)

FLOW ≥ 125mm
Self-levelling: flow retention about 15 minutes and pour lines heal within 5 minutes — independent of screeding skill

02 STANDARDS & TEST RESULTS

EN 13813:2002 · BS EN 13892-2:2002 · BS EN 13892-8:2002 · ASTM C1708-19 · ASTM D4060-14

Property	Standard	Result
Flexural strength after 28 days	BS EN 13892-2:2002	**≥ 5.0MPa (F5)**
Compressive strength after 28 days	BS EN 13892-2:2002	**≥ 16.0MPa (C16)**
Compressive strength after 6 hours	BS EN 13892-2:2002	**≥ 1.0MPa**
Bond strength	BS EN 13892-8:2002	**≥ 0.5MPa (B0,5)**
Flow	—	**≥ 125mm**
Flow retention time	ASTM C1708-19	**~ 15 minutes**
Taber abrasion resistance after 28 days	ASTM D4060-14	**≤ 5.0g**

*Compressive strength after 24 hours and 3 days ≥ 7.0 and ≥ 10.0MPa respectively · Taber abrasion after 7 days ≤ 7.0g · Healing time ~ 05 minutes · pH of the mixed compound ≥ 10.0 · Data from TDS **SLU 210.16** v2026.10 — laboratory test results.*

03 TECHNICAL DATA

20 kg per bag	**4.6** L water per bag	**1.70** kg/m² per 1mm layer
2 - 10 mm per layer	**10** minutes pot life	**4 - 32** °C surface temperature

Light foot traffic after about 3 hours at 3 - 5mm thickness · Finishes after 6 to 24 hours · Mix at most two bags at a time · Never add cement or admixtures · Shelf life 06 months in the unopened bag, stored in a cool, dry and well-ventilated area.

04 SCOPE OF USE

- ✓ Concrete · mortar beds · over underfloor heating
- ✓ Cement terrazzo · existing ceramic tile and natural stone
- ✓ Underlayment for tile · stone · carpet · PVC · vinyl · rubber flooring · raised access flooring · epoxy
- ✓ For interior use only

*The TDS specifies **INTERIOR USE** · Sound substrate, mechanically roughened to CSP 2 - 3 (ICRI 310.2R-2013), pull-off strength ≥ 0.5MPa to ASTM C1583/C1583M-25 · Highly absorbent substrates: Prime with **BuMaPRIMER** 2 - 3 times · Existing tile or stone: Firmly bonded (pull-off ≥ 0.5MPa), otherwise remove; bonding coat or **BuMaFLEX** · Surface temperature 4 - 32°C · Cracks: Inject **BUMA-SP Bond 81** before application.*

05 APPLICATION IN 8 STEPS


1 Roughen and vacuum


2 Prime with **BuMaPRIMER**


3 Measure 4.6L water/bag


4 Add 20kg bag, mix 2 minutes


5 Stand 1 minute, remix


6 Pour, spread with gauge rake


7 Join batches, spiked roller


8 Walk 3h · finishes 6 - 24h

Key reminders: Do not exceed the specified water — excess water reduces strength and bond · Use the mixed batch within 10 minutes · Mix at most two bags at a time · Never add cement or admixtures · Run a small trial area before full-scale application