QUICK ANSWERS

The 6 questions applicators ask most

How is SLO 540.40 mixed correctly?

Pour **4.0 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 water quantity specified.

Can it really be left exposed?

Yes. The TDS states **SLO 540.40** is used as a **finished, abrasion-resistant wearing surface**, with no further covering required. Taber abrasion after 28 days ≤ 0.4g, compressive strength ≥ 40.0MPa.

How does it differ from SLU 1040.35?

SLU 1040.35 is a 10 - 40mm underlayment placed before finishing materials. **SLO 540.40** is a 5 - 40mm overlayment, class **CT-C40-F10-B1,0**, Taber abrasion ≤ 0.4g, suitable as a finished wearing surface.

When can it be walked on?

Light foot traffic after about **3 hours** at 5 - 10mm thickness. Ready to use, or for finishes, after **6 to 24 hours**.

How far does one bag go?

Coverage is about 1.70kg/m² per 1mm thickness. A 20kg bag covers 2.3m² at 5mm, 1.1m² at 10mm.

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 before application.

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

5mm layer	10mm layer	20mm layer	40mm layer
2.3m²	1.1m²	0.5m²	0.2m²

Based on 1.70kg/m² per 1mm of thickness, rounded down
Recommended thickness 5 - 40mm per layer

PRODUCT CLASSIFICATION
EN 13813:2002 class CT-C40-F10-B1,0 — cementitious screed, compressive class C40, flexural F10, bond B1,0

Hotline 0979 793 804 · BUMATECH.VN

BUMA-SLC · SELF-LEVELLING COMPOUND

WEARING-SURFACE OVERLAYMENT

SLO 540.40

Self-levelling overlayment, 5 - 40mm — an underlayment or a finished, abrasion-resistant wearing surface. Class C40, Taber abrasion ≤ 0.4g.

EN 13813:2002 · CT-C40-F10-B1,0

ABRASION ≤ 0.4g

EXPOSED WEARING SURFACE

In compliance with EUROPEAN standard
EN 13813
CT - B1,0
C40 - F10
BUMATECH
Screed Material and Floor screed



≥ 40
MPa compressive strength after 28 days · C40

BUILD BETTER
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01 WHY SLO 540.40?

A flat floor is the foundation of every good finish. **SLO 540.40** finds its own level like water — it spreads evenly once poured, independent of screeding skill.

EXPOSED WEARING SURFACE

Both an underlayment for tile, stone, carpet, PVC, vinyl or epoxy and a finished, abrasion-resistant wearing surface with no further covering required

ABRASION ≤ 0.4g

Taber abrasion resistance to ASTM D4060-14: ≤ 0.6g after 7 days and ≤ 0.4g after 28 days

BOND ≥ 1.2MPa

Bond strength ≥ 1.2MPa (B1,0); flexural ≥ 10.0MPa (F10) and compressive ≥ 40.0MPa after 28 days (C40)

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	**≥ 10.0MPa (F10)**
Compressive strength after 28 days	BS EN 13892-2:2002	**≥ 40.0MPa (C40)**
Compressive strength after 6 hours	BS EN 13892-2:2002	**≥ 5.0MPa**
Bond strength	BS EN 13892-8:2002	**≥ 1.2MPa (B1,0)**
Flow	—	**≥ 125mm**
Flow retention time	ASTM C1708-19	**~ 30 minutes**
Taber abrasion resistance after 28 days	ASTM D4060-14	**≤ 0.4g**

*Compressive strength after 24 hours and 3 days ≥ 25.0 and ≥ 35.0MPa respectively · Taber abrasion after 7 days ≤ 0.6g · Healing time ~ 10 minutes · pH of the mixed compound ≥ 10.0 · Data from TDS **SLO 540.40** v2026.10 — laboratory test results.*

03 TECHNICAL DATA

20 kg per bag	**4.0** L water per bag	**1.70** kg/m² per 1mm layer
5 - 40 mm per layer	**10** minutes pot life	**4 - 32** °C surface temperature

Light foot traffic after about 3 hours at 5 - 10mm thickness · Ready to use after 6 to 24 hours · Terrazzo effect: 3 - 5mm sand or gravel, coloured aggregate or coloured glass may be added, then dry-polished after 3 days · Mix at most two bags at a time · 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
- ✓ Finished, abrasion-resistant wearing surface — no further covering required
- ✓ Underlayment for tile · stone · carpet · PVC · vinyl · rubber flooring · raised access flooring · epoxy
- ✓ For interior use only

*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 of **BuMaFLEX** · Cracks: Inject **BUMA-SP Bond 81** before application · Surface temperature 4 - 32°C.*

05 APPLICATION IN 8 STEPS



1 Roughen and vacuum



2 Prime with **BuMaPRIMER**



3 Measure 4.0L 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 water quantity specified · Use the mixed batch within 10 minutes · Mix at most two bags at a time · Apart from terrazzo aggregates, never add cement or admixtures · Run a small trial area before full-scale application