

Standard Report - Raport de santier Cluj Zimbru

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Trade and site work

This report details the progress of foundation construction at Strada Zimbru 12, Cluj-Napoca, Romania, specifically focusing on the final excavations and the pouring of concrete for the foundations on 'Day 2' of the project. The site is an active residential development.

Job: Raport de santier Cluj Zimbru **Generated:** 16 Oct 2026, 02:35

Diagnosis

Active foundation construction, including final excavations, rebar installation, formwork preparation, and concrete pouring for new residential units.

Moderate

Confidence: Very High

General

The supplied images clearly depict various stages of foundation work on a construction site. We observe trenches prepared for foundations, complete with rebar grids, alongside areas where concrete has been freshly poured to form strip foundations. Formwork for a larger, possibly raft or piled cap foundation, is also visible. Heavy machinery, including a mini excavator and a dumper, are on site, along with a concrete mixer truck. The accompanying text note explicitly states 'Ziua 2: sapaturi finale, turnare fundatie pe Zimbru. Beton 12 mc turnat 10:30-13:00. Dumper in zona vestica. Vreme innorata, fara incidente,' confirming final excavations, the pouring of 12 cubic metres of concrete between 10:30 and 13:00, and the presence of a dumper, all consistent with the visual evidence. The overall context is a new housing development.

Safety Assessment

Unsafe

- Excavation collapse
- Moving heavy machinery (dumper, excavator, concrete truck)
- Wet concrete burns/skin irritation
- Rebar impalement
- Slips, trips, and falls on uneven/muddy ground

Evidence Reviewed

In this report: using 8 of 8 items

Action Plan

Good

Standard Foundation Pour & Site Management

- Complete concrete pouring for all specified foundations, ensuring adequate compaction and levelling
- Implement basic curing practices, such as covering with polythene sheeting, to prevent rapid moisture loss
- Conduct a visual inspection of the poured foundations for major defects
- Organise site to ensure safe access and egress around active pouring areas

Est. time: 1-2 days

Required: Concrete mixer truck, Concrete pump (if needed), Vibrator (poker or beam), Trowels and screeds, Shovels, Wheelbarrows

Better

Enhanced Quality Control & Curing for Foundations

- Execute concrete pouring with continuous supervision, verifying slump and air content at delivery
- Apply advanced curing methods including continuous water spraying or specialised curing blankets for at least 7 days
- Perform comprehensive post-pour inspections, including level checks and visual defect identification
- Systematically clear and organise the immediate work area after pouring to maintain safety and efficiency
- Document all pouring times, weather conditions, and concrete delivery tickets

Est. time: 2-3 days

Required: Concrete mixer truck, Concrete pump, Power float/trowel, Laser level, Slump cone, Air meter, Water hoses/sprinklers

Best

Optimised Foundation Construction with Full Quality Assurance

- Implement a full quality assurance plan, including pre-pour checks of rebar and formwork, and continuous monitoring of concrete properties during delivery and placement
- Utilise temperature-controlled curing systems for optimal concrete strength development, especially in variable weather
- Engage an independent structural engineer for detailed post-pour inspection and sign-off
- Conduct thorough site remediation and material segregation for recycling or proper disposal
- Provide daily progress reports with photographic evidence and detailed logs of all activities and conditions

Est. time: 3-5 days

Required: Advanced concrete testing equipment, Thermometers for concrete temperature monitoring, Specialised curing tents/covers, Surveying equipment (total station/GPS), Compactors for backfill

Tools & Materials

Tools	Mini excavator (JCB 18Z-1), Dumper (Thwaites), Concrete mixer truck, Concrete vibrator (poker), Shovels, Rakes, Trowels, Screeds, Measuring tapes, Spirit levels, Laser level, Rebar cutters/benders
Materials	Ready-mix concrete (C25/30 or specified grade), Reinforcement steel (rebar grid), Binding wire for rebar, Timber/plywood for formwork, Nails/screws for formwork, Polythene sheeting for curing, Curing compound, Damp proof membrane (DPM) for future slab
Estimated Cost (max)	£12,000

Customer Communication

Dear Construction Apulum SRL, this report confirms that the foundation work at Strada Zimbru 12 is progressing well. We've observed the final excavations, installation of reinforcement, and the pouring of concrete for the foundations, as noted in your 'Day 2' update. This is a critical stage for the structural integrity of the new buildings. Our action plan outlines options for ensuring the highest quality in concrete pouring and curing, which will safeguard the long-term stability of the foundations. Safety remains a top priority, with strict measures in place around excavations and heavy machinery. We anticipate moving swiftly to the next construction phases following proper curing and inspections. We will keep you updated on progress.

Mentor's Tips

- When pouring concrete foundations, always check the weather forecast.
- Rain can dilute the mix, and extreme heat can lead to rapid drying and cracking.
- Ensure your rebar chairs are stable and correctly spaced to maintain cover.
- For better strength and durability, proper curing is as crucial as the pour itself – don't skimp on it.
- A good vibrator is your best friend for eliminating air pockets, but over-vibrating can cause segregation.
- Finally, always have a good clean-up plan for any concrete spills; it's much harder to remove once set.

What to Watch For

- If proper curing procedures are not followed, especially in variable weather conditions, the concrete foundations could develop surface cracks or suffer from reduced compressive strength, potentially leading to long-term structural issues.
- Inadequate compaction during backfilling could lead to differential settlement.
- Furthermore, poor drainage around the newly poured foundations could lead to water ingress or erosion issues in the future.
- Ensure all utility routes are clearly marked and protected during backfilling to avoid damage.

PHOTOGRAPHS



Photograph 1



Photograph 2



Photograph 3



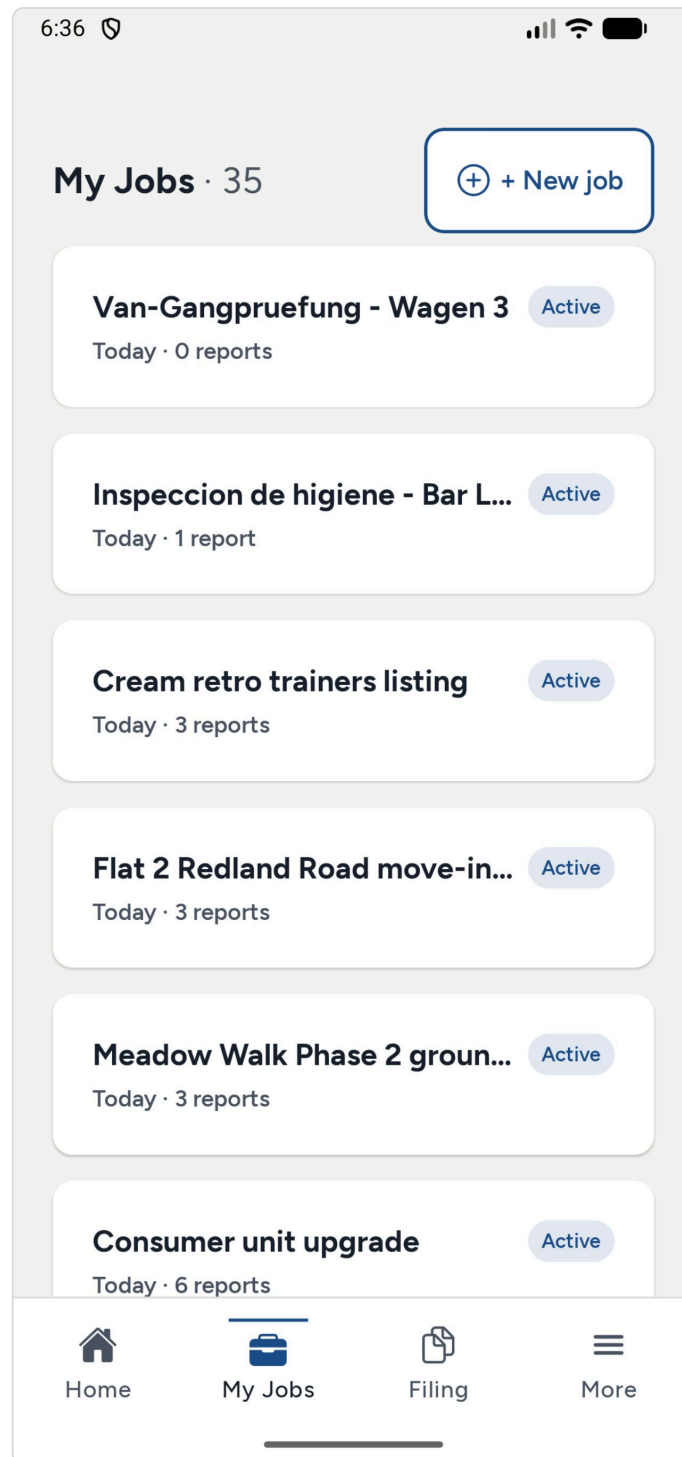
Photograph 4



Photograph 5



Photograph 6



Photograph 7

Evidence on file

Files attached to this report. The photographs are printed in this document.

7 photographs – see the photo schedule

Text note · Captured 15 Oct 2026, 19:17

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