

MATERIALS AND STRUCTURES · CATALOGUE 2026

Panels, roof trusses and structural timber for your project.

The timber building system, factory-made in Europe and delivered to site. For builders, architects and developers. Exclusive naturheld distributor in Portugal.

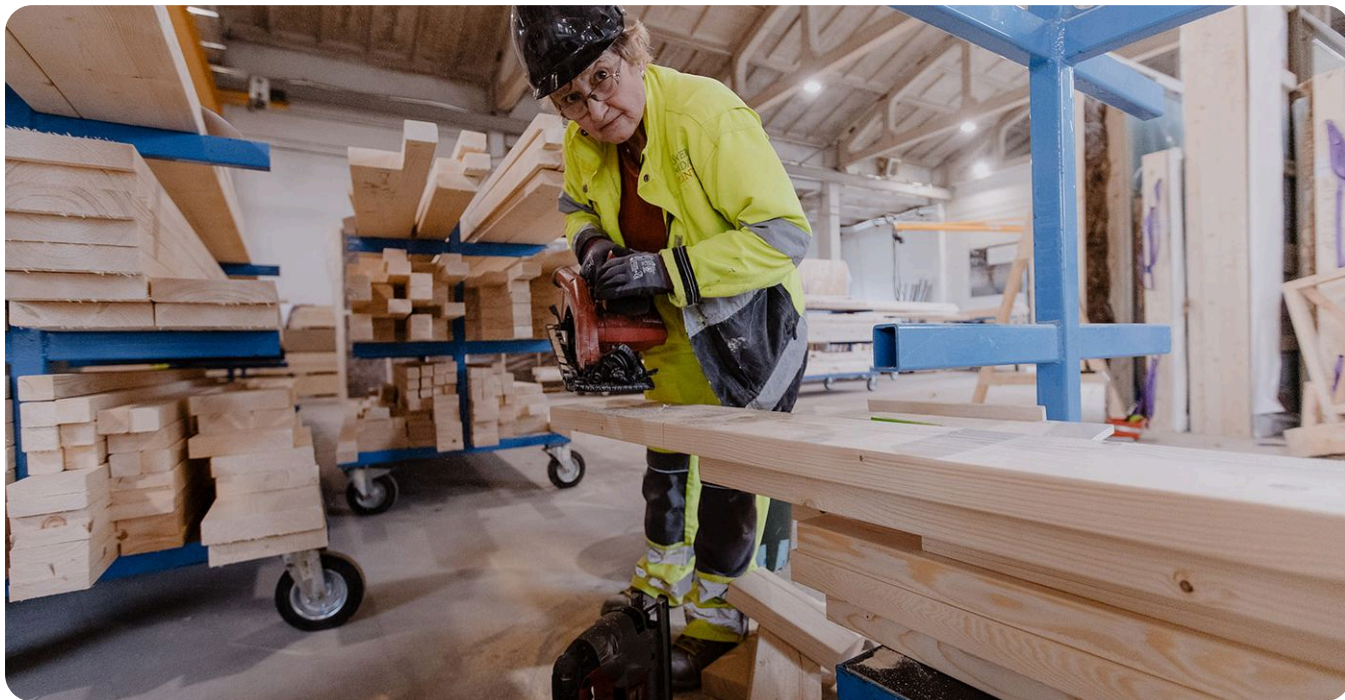
cedro.pt

info@cedro.pt

+351 911 535 058

The building system, without the house.

Don't need a complete house? We supply just the building system, factory-made and delivered to site. For builders, developers, architects and private clients.



Cutting timber in the factory in Birzgale, Latvia

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Exclusive in Portugal

Exclusive naturheld distributor in Portugal

Wood-fibre insulation: rigid boards, flexible batts (FLEX) and blown-in insulation (FLOW).

cedro.pt/en/naturheld/

HOUSES CATALOGUE

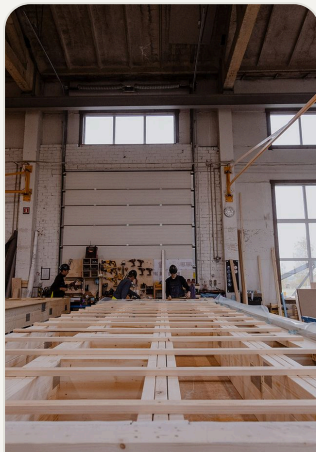
Looking for a complete house?

Ask for the houses catalogue at cedro.pt or write to info@cedro.pt.

info@cedro.pt

Pick the components you need.

Every supply is quoted per project: order a single component or the complete system.



FACTORY

Wall panels

Panels closed in the factory: C24 frame, insulation and membranes.

275 mm insulation · U 0.14 W/m²K

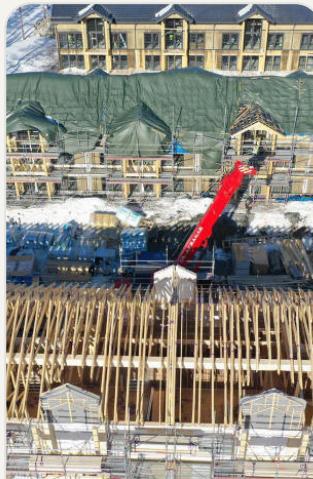


ROOF

Roof panels

More insulation than the wall, for a continuous, efficient envelope.

300 mm insulation · U 0.13 W/m²K

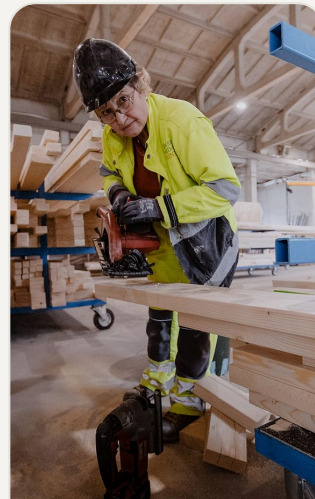


CE MARKING

Roof trusses

CE - marked trusses, designed in MiTek for your project.

Spans up to 12 m · CE LVS EN 14250



CUT TO SIZE

Structural timber

C24 timber cut to measure for your project.

C24 · cut per project



FAÇADES

Fibre - cement panels

Fibre - cement boards for façades and cladding, durable and resistant to fire and moisture.

Data sheets and price on request



PARTNERS

Windows and doors

Supplied through partners and fitted on site once the structure is up. They travel packed separately from the panels.

Fitted on site



NATURHELD EXCLUSIVE

Wood - fibre insulation

Exclusive naturheld distributor in Portugal: boards, FLEX and FLOW.

Technical data on the naturheld pages

HOW TO ORDER

Ask for a price

Tell us the products, the approximate area and the municipality. A floor plan helps.

info@cedro.pt

subject "Materials request"

Photos of reference projects and of the factory; they do not necessarily show the exact product on each card.

Wall build-up. The wall build-up depends on the exterior finish and the climate zone; we calculate every wall for the project; the published price refers to the standard wall.

SPECIFICATIONS

The numbers that matter.

WALL · U

0.14 W/m²K

275 mm insulation

TRUSSES · SPAN

up to 12 m

CE marking, LVS EN 14250

ROOF · U

0.13 W/m²K

300 mm insulation

REACTION TO FIRE

B-s1,d0

fire-retardant treatment

TIMBER

C24

structural grade

QUALITY

ISO 9001

factory quality management

U-values per element: Ubakus reports, August 2026. Trusses allow up to 30% less timber and foundations up to 30% cheaper, depending on the design.



Panels assembled on site, before interior finishes · factory reference project, Latvia

Delivery

Materials leave our factory in Birzgale, Latvia. Typical factory lead time: about 3 months; panel production: about 2 weeks (150 m² reference). Transport is quoted per project.

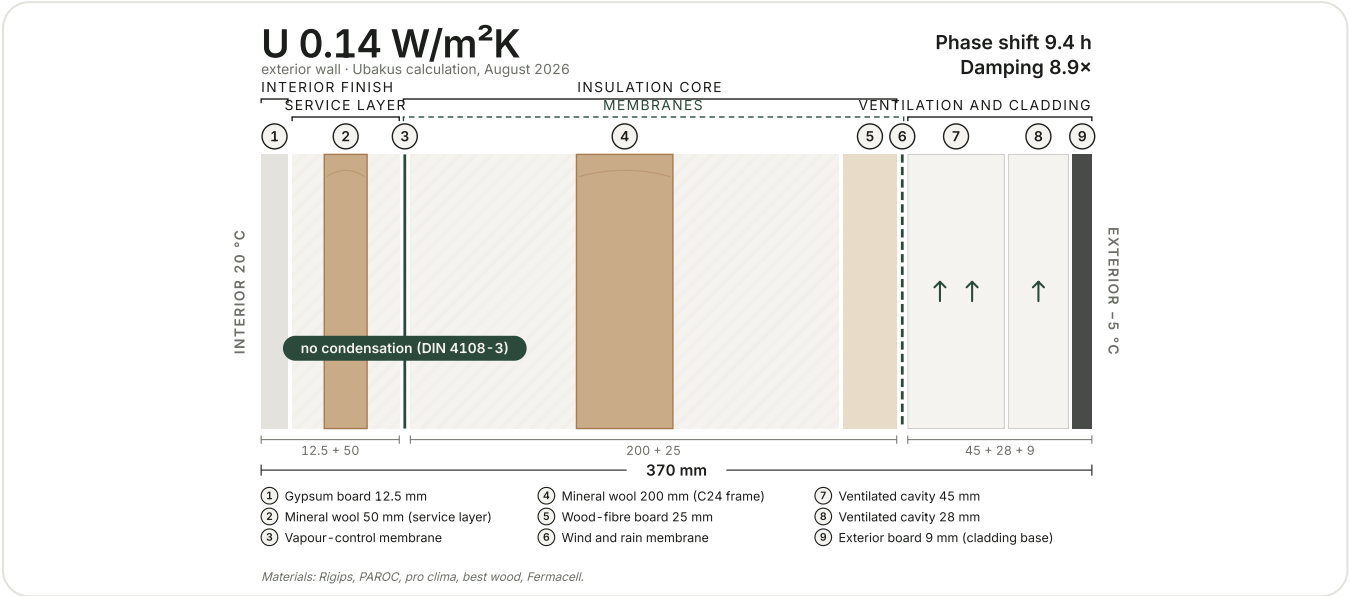
Optional assembly

With our crew, who assemble the structure in 2–5 days, or with your own builder, with technical support from us. Land, permitting and utility connections are outside the supply.

Timber panel, continuous insulation.

A C24-grade timber structure, with 275 mm of insulation in the walls and 300 mm in the roof — engineered for thermal performance, not just structure.

SPEC SHEET 01 · EXTERIOR WALL 370 MM



U - VALUE	TOTAL DEPTH	WEIGHT	THERMAL LAG	DAMPING	INNER SURFACE AT -5 °C	CONDENSATION
0.14 W/m²K	370 mm	38.8 kg/m²	9.4 h	8.9 ×	18.5 °C	No condensate DIN 4108-3 winter test, 90 days

9 LAYERS · INSIDE TO OUTSIDE

#	Product / material	Layer	mm	λ W/mK	R m²K/W	kg/m²
1	Rigips 4PRO	Gypsum board	12.5	0.250	0.050	8.5
2	PAROC Ultra	Mineral wool, service layer (spruce battens 45 mm)	50	0.035	1.429	2.3
3	pro clima INTELLO	Vapour-control membrane · sd 6.84 m	0.25	—	0.006	0.1
4	PAROC Ultra	Mineral wool, insulation core (C24 spruce frame, 195 mm)	200	0.035	5.714	9.3
5	best wood FIBRE	Wood-fibre board	25	0.040	0.625	1.0
6	pro clima SOLITEX MENTO 1000	Wind and rain membrane, vapour-open	0.4	—	0.010	0.1
7	Ventilated cavity	Rear ventilation, outside air	45	—	—	—
8	Ventilated cavity	Rear ventilation, outside air	28	—	—	—
9	Fermacell Powerpanel HD	Exterior board, cladding base	9	—	—	8.6
Whole component		sd 7.52 m	370		7.146	38.8

Whole-component R includes the surface resistances (DIN 6946). The ventilated cavities and the exterior board sit outside the thermal layer and do not count towards R. C24 spruce structural timber (λ 0.130) is included in the calculation.

SUMMER AND HEAT PROTECTION

In summer, midday heat doesn't walk straight in. The wall delays the afternoon peak by about 9 hours and damps it 8.9 times: warmth reaches the inside in the evening, when you can simply open the windows. Per-assembly calculation (Ubakus, August 2026); real comfort also depends on glazing, shading and ventilation. Heat storage capacity of 34 kJ/m²K, of which 21 kJ/m²K in the inner layers (TAV 0.112).

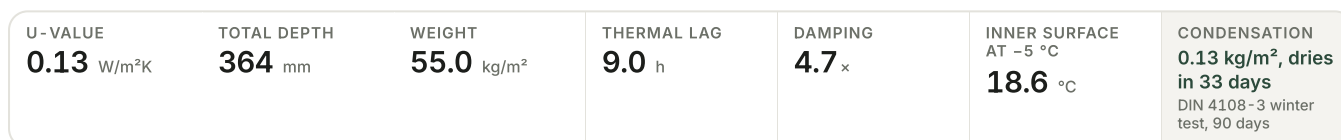
WINTER AND MOISTURE

In winter, at -5 °C outside, the inner wall surface stays at 18.5 °C: no cold surfaces, no condensation. In the 90-day DIN 4108-3 winter test (20 °C and 50 % humidity inside, -5 °C and 80 % outside) no layer accumulates condensate: the vapour-open outer membrane lets the wall dry outwards. With 55 % relative humidity at the surface, mould formation is not expected.

Per-assembly calculation (Ubakus, 14.08.2026) · surface resistances DIN 6946 · moisture DIN 4108-3 · C24 structural timber.

Wall build-up. The wall build-up depends on the exterior finish and the climate zone; we calculate every wall for the project; the published price refers to the standard wall.

SPEC SHEET 02 · ROOF 364 MM



#	Product / material	Layer	mm	λ W/mK	R m²K/W	kg/m²
1	Rigips 4PRO	Gypsum board	12.5	—	—	8.5
2	Service cavity	Ventilated, room air (spruce battens 45 mm)	28	—	—	—
3	pro clima INTELLO	Vapour-control membrane · sd 8.72 m	0.25	—	0.006	0.1
4	PAROC Ultra	Mineral wool between C24 spruce rafters	300	0.035	8.571	13.7
5	Pine boards	Sarking boards · sd 1.10 m	22	0.130	0.169	11.4
6	Steel sheet	Metal roof covering · sd 1,000 m	1	50.000	0.000	7.9
	Whole component	sd 1,010 m	364		7.614	55.0

Per-assembly calculation (Ubakus. 14.08.2026) · surface resistances DIN 6946 · moisture DIN 4108-3:2018-10 · C24 structural timber



12 m

30%

MiTek

Fire treatment up to reaction-to-fire class B-s1,d0. Windows and doors travel packed separately from the panels and are fitted on site once the structure is up.

Exclusive in Portugal

EXCLUSIVE NATURHELD DISTRIBUTOR IN PORTUGAL

naturheld wood-fibre insulation.

Wood-fibre insulation from a renewable raw material, for walls, roofs and floors. It insulates in winter, stores heat during the day in summer, helps regulate humidity and dampens sound. The CO₂ the tree absorbed stays locked in the product.

Summer heat protection: high density, heat released slowly

Moisture-regulating

Sound insulation

CO₂ stored in the wood



Images © naturheld

Rigid boards

Five density grades, 100 to 220: from roof and top-floor ceiling to directly plastered façades (ETICS), interior insulation and screed substructure.

APPLICATIONS

- Roof on sheathing or CLT, between and over rafters, and top-floor ceiling
- Directly plasterable façade (ETICS) on timber frame
- Interior insulation, plastered or clad
- UDP-A underlay (110 to 220), flat roof and floor under wet screed

Board	Density	λD (W/m·K)	μ	Thickness
naturheld 100	110 kg/m ³	0.038	3	40–160 mm
naturheld 110	110 kg/m ³	0.039	3	60–200 mm
naturheld 140	140 kg/m ³	0.041	3	40–220 mm
naturheld 180	180 kg/m ³	0.043	3	40–120 mm
naturheld 220	220 kg/m ³	0.047	5	22 · 35 mm

All boards: reaction to fire E (EN 13501-1), specific heat capacity 2100 J/(kg·K), standard EN 13171. λD is the nominal thermal conductivity (EU). Published formats include 1250 × 600 mm (square-edged) and 1880 × 615 mm (tongue and groove).

Batts, blown-in fibre and accessories.



naturheld FLEX

A flexible batt that holds by friction between timber members, for timber construction and roofs.

APPLICATIONS

- Between rafters
- Timber-frame and post-and-beam walls
- Beam ceilings and top-floor ceilings
- Installation levels

Density	50 kg/m ³
λD	0.036 W/(m·K)
μ	1-2
Specific heat	2100 J/(kg·K)
Reaction to fire	E (EN 13501-1)
Thickness	30-300 mm
Formats	1220 × 575 mm · 1250 × 625 mm
Standard	EN 13171 (WF-EN 13171-T3)

Some thicknesses on request.



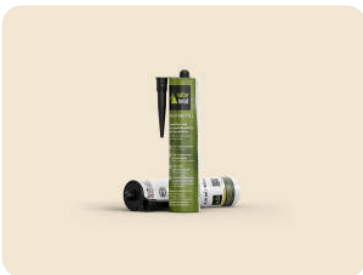
naturheld FLOW

Loose wood fibre blown into cavities: it also fills complex geometries without joints.

APPLICATIONS

- Between rafters
- Timber-frame and post-and-beam walls
- Beam ceilings and top-floor ceilings
- Installation levels

Density	33-45 kg/m ³
λD	0.038 W/(m·K)
μ	1-4
Specific heat	2100 J/(kg·K)
Reaction to fire	E (EN 13501-1) · B s2 d0 (EN 13823)
Packaging	15 kg bales
Certification	ETA-23/0125



System products

Accessories matched to the boards and fibre, for correct installation on site.

- Membranes: DB 20 (sd 20 m), DB vario (sd 0.2-20 m), ADB 5 (sd 5 m), LDB 0.02 (sd 0.02 m)
- FIX tape, WANDFIX sealant, FILL joint adhesive, PRIMER
- TERMOFIX and TERMOZ screw anchors
- LAIBUNGSPATTE reveal board (22 and 35 mm, λD 0.047 W/(m·K))

Request naturheld insulation prices

Tell us the application, the thickness and the approximate area. We reply with an indicative proposal.

info@cedro.pt

cedro.pt/en/naturheld/

Technical data: naturheld (data sheets published at naturheld.global, consulted 10/2026). Images © naturheld. Thicknesses the manufacturer marks "on request" are not included in the ranges.

The factory, Birzgale.

CEDRO holds the exclusive representation, in Portugal, of a timber - panel factory in Latvia — 2,000 m² of industrial facilities in Birzgale, operating since 2014.

2,000 m²

of industrial plant

2014

in operation since

MiTek

design software

Randek 35 t

panel press



Panel production line at the Birzgale factory, Latvia.

European factory, exclusive representation in Portugal. Each panel is designed in MiTek software and pressed on a 35-tonne Randek press, with structural spans of up to 12 metres.

Proof from the factory.

CE marking of the roof trusses, an ISO 9001 quality system and a BREEAM methodology in the design approach, with an export track record across several European markets.

CE

CE marking of trusses, per LVS EN 14250
CERTIFICATION

ISO 9001

quality management system
CERTIFICATION

BREEAM

BREEAM methodology in the design
approach
METHODOLOGY

EXPORT

Projects delivered in Norway, Sweden and Austria, built with panels from the factory we represent. In Austria, notably the Chalet-Resort Montafon project.



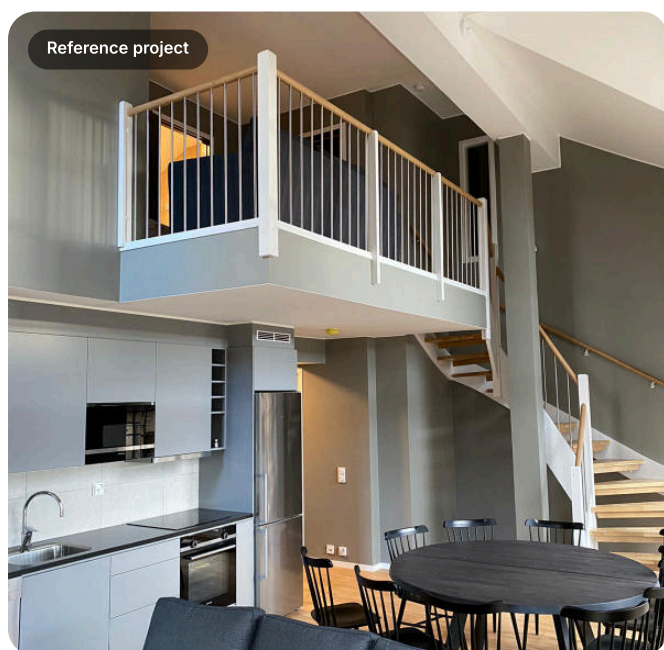
Roof trusses stacked in the factory hall.

Factory - built houses, in different climates.

A sample of projects built outside Portugal with panels from the factory we represent: the same factory and the same building system now reaching the Portuguese market.



UK — factory reference project



Idre, Sweden — ski resort



Canada — factory reference project

From panel to finished house.

The same panel system being assembled in Cyprus, and a visualisation of the same project once complete. For a Portuguese summer, what counts is the thermal lag: 9.4 h in the wall, 9.0 h in the roof.



Assembly stage · factory archive



The same project finished · illustrative finishes



Terrace and pool · visualisation (AI)



Living room and kitchen · visualisation (AI)

WALL

9.4 h

ROOF

9.0 h

Thermal phase shift

The outdoor heat peak reaches the inside hours later, when you can already ventilate the house. Values per element (Ubakus, August 2026); real comfort also depends on windows, shading and ventilation.

The visualisations are computer-generated (AI) images with illustrative finishes. They are not photographs of a completed building.

Four ways to work with us.

A timber building system with technical documentation and factory production, made for those who design, build, develop or sell homes.



Panel production at the factory, Birzgale, Latvia

01

Architects

Specify the system with the right information from the first sketch.

- Technical documentation for walls, roof and connections
- CAD/BIM files and technical data sheets, on request
- Performance data: U 0.14 (walls) and 0.13 (roof) W/m²K, C24, spans up to 12 m
- Technical support during design

02

Builders

Panels and kits that arrive ready and go up fast.

- Panels and construction kits produced at the factory
- Structure assembly in 2–5 days
- Partner prices, on request
- Assembly support, scope defined per project

03

Developers

Multi-house projects, with pricing and schedule per project.

- Multi-house projects, assessed case by case
- Individual pricing, defined per project
- Production capacity, on request
- Logistics and delivery schedule, defined per project

04

Real-estate agencies

A new offer for clients looking for a plot and a home.

- A partnership to present modular timber homes to your clients
- Commission model, agreed within the partnership
- Client referrals for a quote and technical sheet
- Presentation material, on request

Commercial terms (partner prices, commissions, capacity and logistics) are defined per project and shared on request. Transport from the factory, planning permission, VAT and utility connections are outside the CEDRO packages.

PARTNERSHIP

Would you like to become our partner in Portugal?

Tell us who you are and where you work. We reply by email, with no commitment, with the technical documentation and the partnership terms for your profile.

info@cedro.pt

cedro.pt/en/professionals/

From request to delivery on site.

No shopping cart and no online prices: every supply is quoted per project and confirmed in a written proposal.

01

Request

Send the products, the approximate area and the municipality to info@cedro.pt, subject "Materials request".

02

Proposal

We reply with an indicative proposal for your project. The final price is fixed in the written proposal.

03

Technical design

Panels and trusses designed in MiTek for your project; every wall is calculated for the finish and the climate zone.

04

Production

Panel production in the factory in Birzgale: about 2 weeks (150 m² reference). Typical factory lead time: about 3 months.

05

Transport

Transport from the factory is not included: it is quoted per project, by volume and destination.

06

Assembly (optional)

By our team, which erects the structure in 2–5 days, or by your builder, with technical support.

WHAT TO SEND WITH YOUR REQUEST

- ✓ Products required
- ✓ Approximate area (m²)
- ✓ Municipality of the site
- ✓ Floor plan or design, if available
- ✓ Intended schedule

NOT PART OF THE SUPPLY

- land
- permitting
- utility connections (water, electricity, drainage)
- VAT
- transport from the factory



Wrapped wall panel on the factory's gantry crane

SUBJECT "MATERIALS REQUEST"

Talk to us.

Email **info@cedro.pt**
Phone / WhatsApp **+351 911 535 058**
Website **cedro.pt**



cedro.pt

Questions from people who build.

The most common questions from builders, architects and developers about supplying materials and structures.

Can I buy only some components?

Yes. You can order just wall or roof panels, trusses, C24 structural timber, naturheld insulation or fibre-cement panels; windows and doors are supplied through partners. Every supply is quoted per project.

How long does it take?

Panel production takes about 2 weeks (150 m² reference). The typical factory lead time is about 3 months.

Do the panels arrive with windows?

No. Panels are closed in the factory with frame, insulation and membranes. Windows and doors travel packed separately and are fitted on site once the structure is up.

Is transport included?

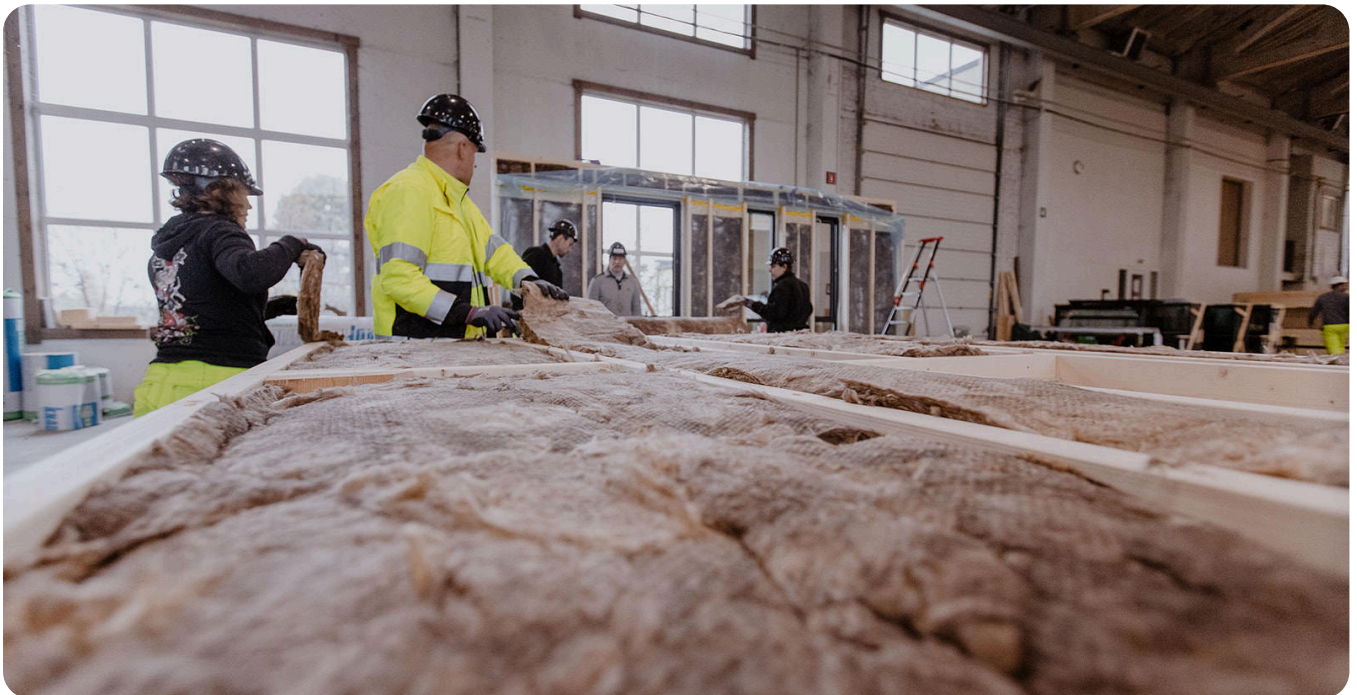
No. Materials leave the factory in Birzgale, Latvia, and transport is quoted per project, by volume and destination.

Who assembles the structure?

Assembly is optional: by our team, which erects the structure in 2–5 days, or by your builder, with technical support.

What technical documentation do I get?

Technical documentation for wall, roof and connections; CAD/BIM files and data sheets on request. The wall build-up depends on the exterior finish and the climate zone: we calculate every wall for the project.



Insulation being fitted into wall panels in the factory in Birzgale

Wall build-up. The wall build-up depends on the exterior finish and the climate zone; we calculate every wall for the project; the published price refers to the standard wall.

HOUSES CATALOGUE

Looking for a complete house?

Ask for the houses catalogue at cedro.pt or write to info@cedro.pt.

info@cedro.pt



Roof truss leaving the factory, Birzgale

CEDRO.

European factory, exclusive representation in Portugal.

Email **info@cedro.pt**
Phone / WhatsApp **+351 911 535 058**
Website **cedro.pt**



cedro.pt

HOUSES CATALOGUE

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info@cedro.pt

PARALELO ARBÓREO – UNIPESSOAL LDA · NIPC 519644298 · Rua Luís de Freitas Branco, 42 D, 1600-491 Lisboa, Portugal

CE marking of the roof trusses (LVS EN 14250). ISO 9001 refers to the factory's quality management system. Model images: 3D visualisations of the designs; settings in Portugal and interiors: AI visualisations. Reference projects: built with panels from the factory we represent.