

Kreimenčiams

Synergy of excellence and comfort

Comprehensive examination of engineering and design solutions for coexisting harmoniously with nature.





Considerate incorporation into a distinctive setting

The village of Kreimeņciems embodies more than mere residences; it represents an eco-minimalist architectural concept meticulously designed for the coastal dune region of Jurmala.

The proximity to Ķemeri National Park and a mere 200 meters from the sea necessitates the highest standards in materials and technology.

Our objective is to construct resilient, energy-efficient residences that coexist seamlessly with the natural environment.



Eco-minimalist architecture: space, illumination, and seclusion.

The village's design incorporates duplexes divided by a canopy to ensure total privacy. Geometric forms, expansive windows, and natural materials foster a harmonious living environment.

Private parcels

Each residence features a distinct plot of 800 m².

Functional Geometry

Expansive, substantial shapes devoid of superfluous ornamentation.

Harmony with nature

Expansive skylights seamlessly integrate the interior with the surrounding pine forest.



The structural framework of the house: Monolithic foundation and factory-grade walls:

Foundation

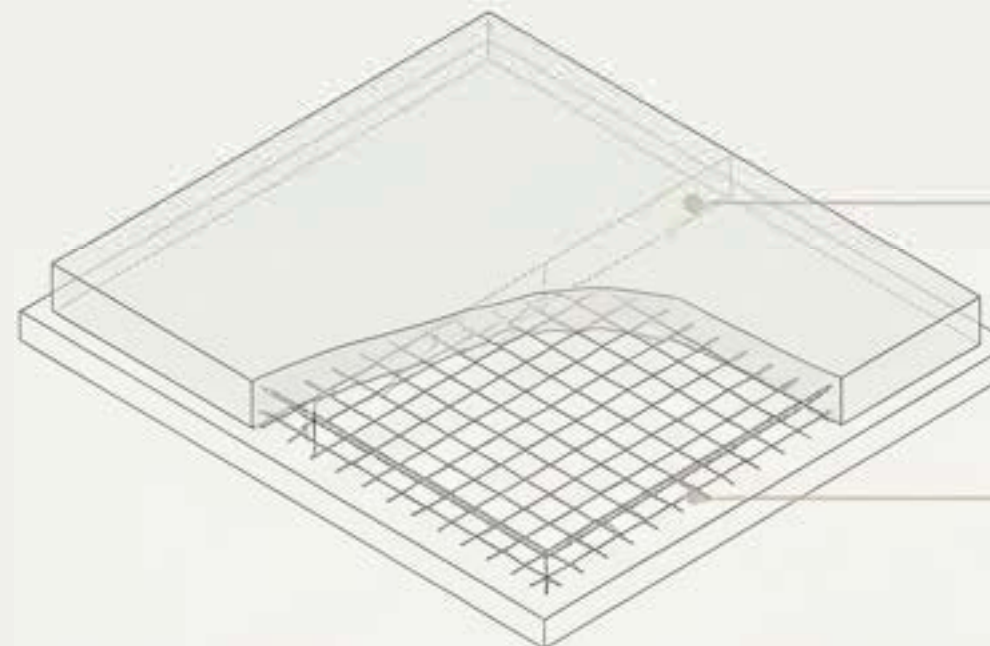
A monolithic reinforced concrete slab, specifically engineered for the sandy soils of the coastal zone. A drainage and water management system tailored to the region surrounding the village ensures a stable groundwater level.

Walls and ceilings

Three-layer reinforced concrete panels from the industry leader CONSOLIS, featuring integrated insulation.

Technologies

PEIKKO connection technology guarantees optimal geometry, structural integrity, and rapid installation.



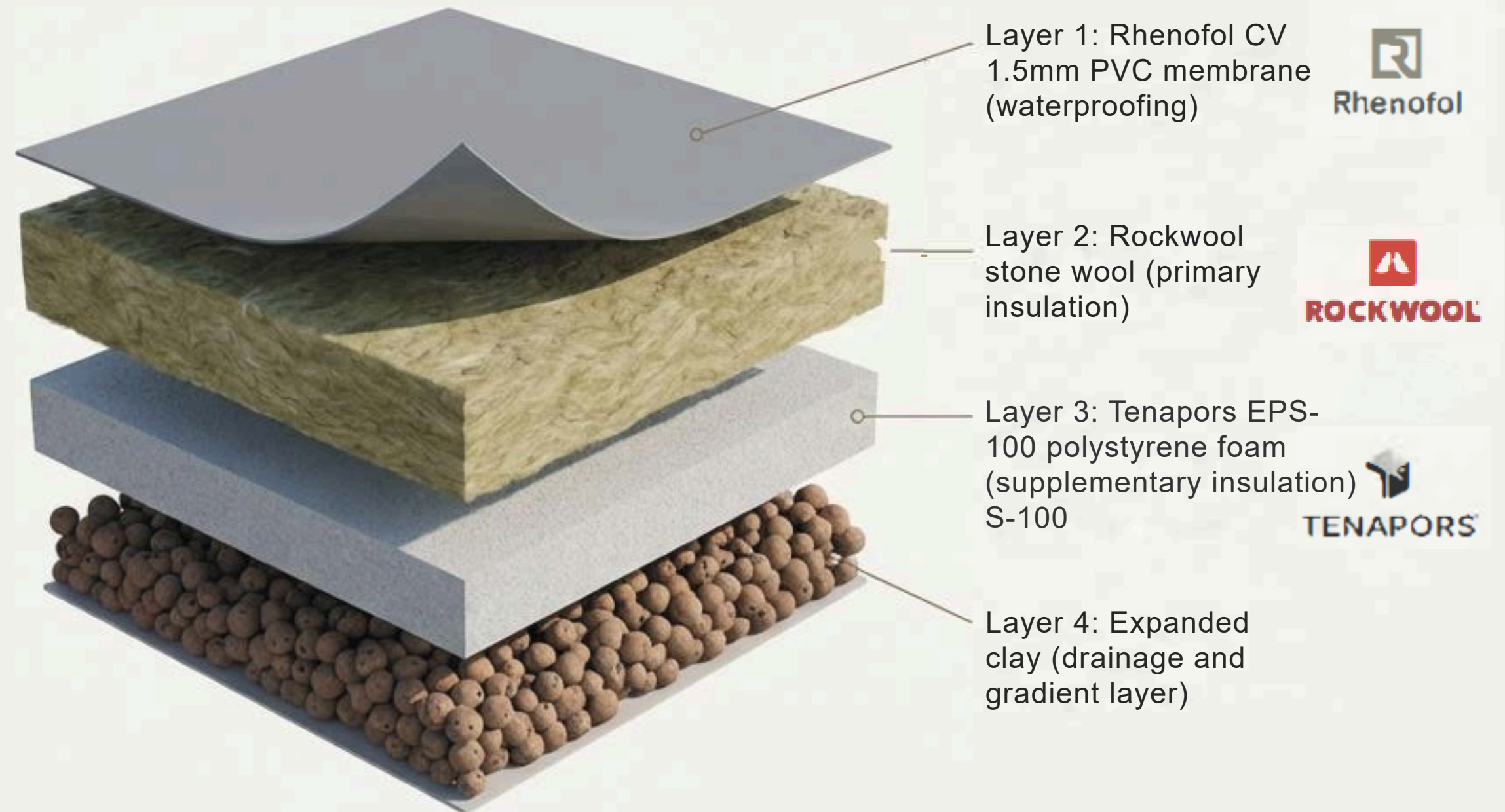
Concrete class
(facade layer):
C40/50

Concrete class (floors):
C45/55

Roofing: A multi-layered defense for the Baltic climate

A flat roof represents a contemporary "roofing solution" that offers complete waterproofing and superior insulation.

The design is primarily intended for the installation of solar panels without requiring additional reinforcement.



Energy-efficient profile: facade and windows of class A++

Facade

The exterior layer of CONSOLIS panels features a finish that is resistant to moisture, wind loads, and the ultraviolet rays characteristic of the Baltic coast.

Windows

Premium window systems from Mārupes Logi. The innovative ARTEVO profile, combined with triple-glazed windows featuring Chr.Black warm spacers, guarantees minimal heat loss and optimal natural light.

Thermal transmittance coefficient for windows:

$$U_w = 0.71-0.78$$

W/m²K



Drutex entrance door: insulated, tranquil, secure

An entrance door from the renowned Polish manufacturer Drutex. The MB-86N system is constructed from "warm aluminum" in RAL 7039 (Fine Structure). Concealed hinges and a Class C security lock ensure exceptional insulation and security.



D DRUTEX

Door thermal transmittance coefficient:

$$U_d = 0.99$$

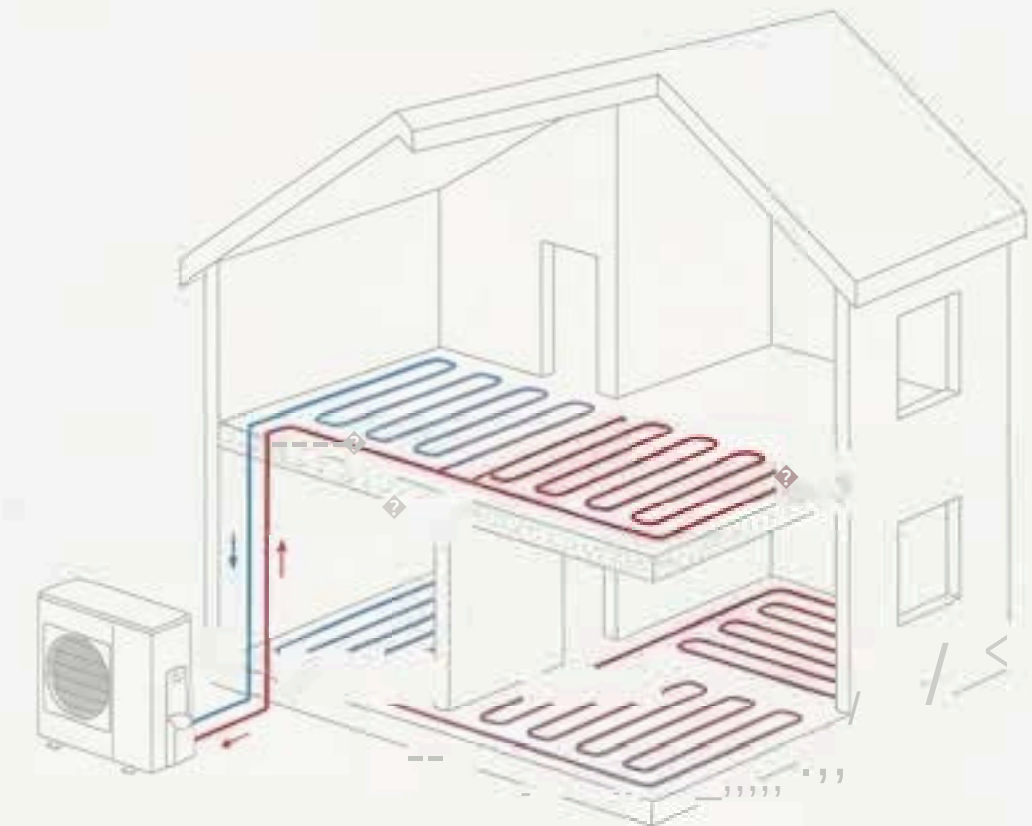
W/m²K

The Heart of the Home: Smart Heating Solutions from Mitsubishi Electric

The primary heating system consists of a Mitsubishi Electric Ecodan air-to-water heat pump, boasting an energy efficiency rating of A++. It supplies the underfloor heating system across both levels, ensuring consistent and cost-effective warmth.

The system ensures consistent performance even in low external temperatures and is managed by advanced automation.

For enhanced comfort, a chimney is included for the connection of a fireplace stove.

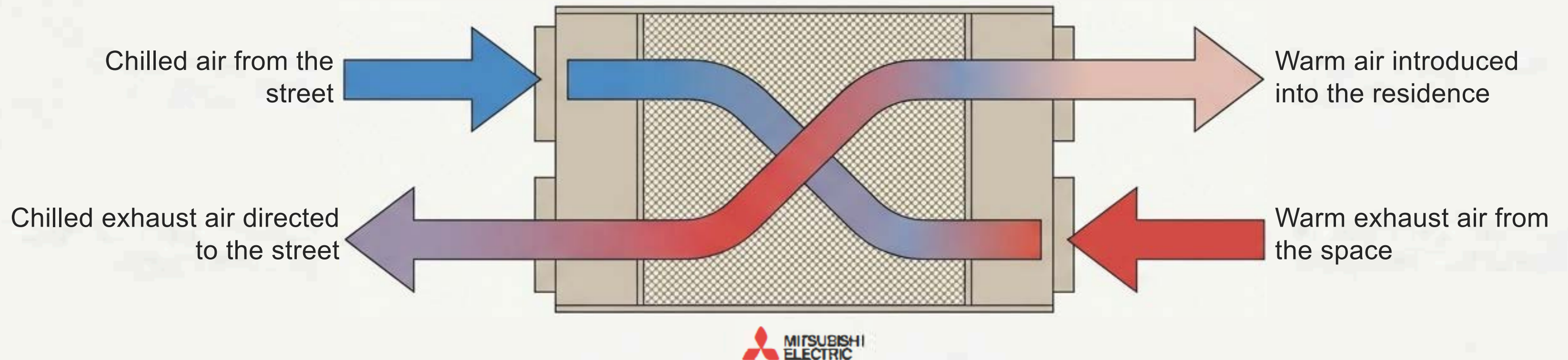


Outdoor unit: PUD-SWM100YAA
Indoor unit: ERST20D-YM9D

Home Lungs: A Constantly Healthy Microclimate

The Mitsubishi Electric Lossnay central ventilation unit with heat recovery ensures a continuous supply of fresh, filtered air to every room.

The system captures up to 89% of the heat from outgoing air, thereby reducing energy loss and ensuring superior indoor air quality without the necessity of opening windows.



Model: **VL-350CZPVU-R-E**

Heat recovery efficiency: **as high as 89%**

Official confirmation of energy efficiency rating

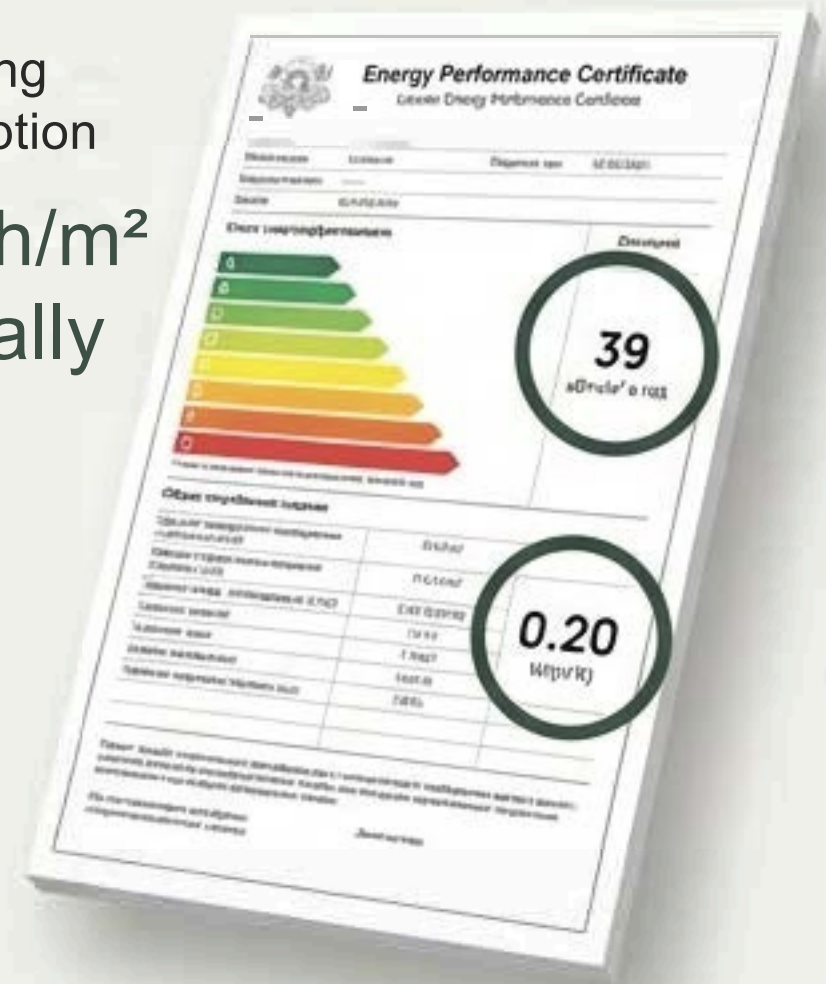
The project has received independent certification and complies with the standards for near-zero energy buildings (nZEB). This ensures minimal heating expenses and a superior level of comfort throughout the year.



Energy efficiency rating

Heating consumption
39 kWh/m² annually

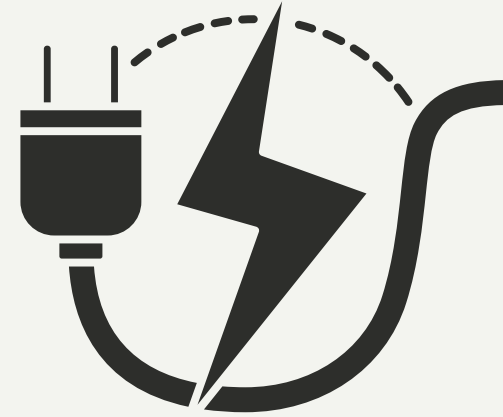
Total energy usage
45 kWh/m² annually



Mean coefficient
heat transfer (Uvid)
0.20 W/(m²K)
(with the standard
being 0.34)

Engineering networks with a sustainable design for the future

All communications are crafted for optimal convenience and future enhancement.



Electricity:

Preparations are underway for the installation of a charging station for electric vehicles.



Water supply and sewage management:

Connection to dependable urban networks.



Conditioning:

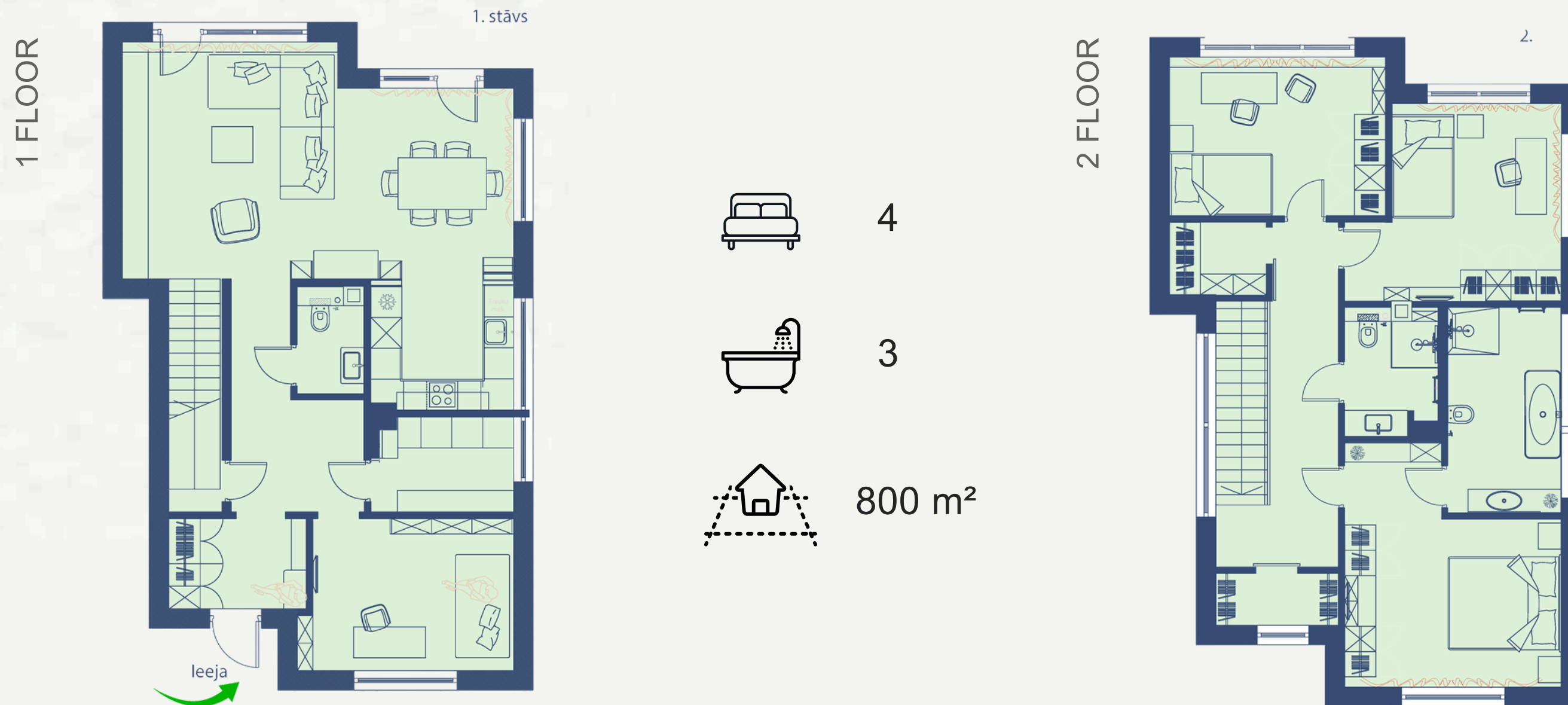
Routes have been established to facilitate the efficient and prompt installation of split air conditioning systems.

A space crafted for illumination and vitality

The total living area of the house is 148 m².

The design features a generous kitchen-living area, expansive windows to optimize natural light, and an effective separation of private and communal spaces.

Additionally: terrace (19.5 m²), carport (27 m²), and utility shed (11.9 m²).





White Box Finish: The Ideal Foundation for Your Interior

We offer you a meticulously prepared space, primed for finishing work. This enables you to execute your own design solutions without the necessity for preliminary tasks.

Included items:

- Leveled concrete floors prepared for covering.
- Completely prepared, plastered, and primed walls.
- Installed an underfloor heating system across two levels.
- Electrical and plumbing installations have been completed.
- Installed a premium entrance door.

A Symphony of Excellence: Elements of Your Future Residence

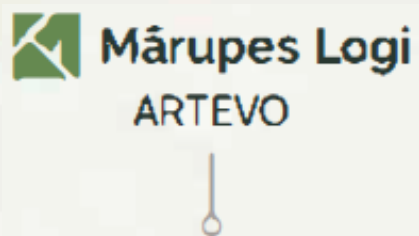
Every aspect of the Kreimeņciems residence is the product of meticulous selection of superior materials and technologies, ensuring durability, comfort, and energy efficiency.

Constructive



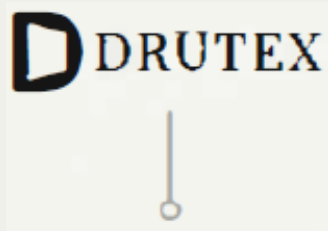
Strength and resilience

Windows



Energy Efficiency A++

Door



Safety and thermal insulation

Heating



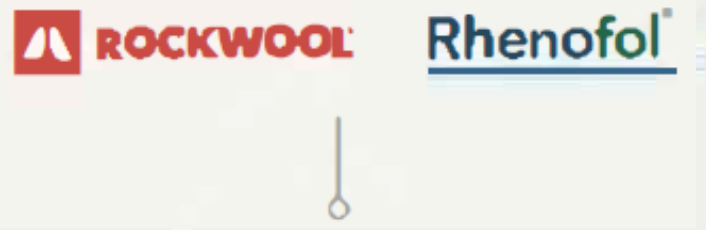
Economic comfort

Ventilation



Beneficial microclimate

Roofing



Dependable safeguarding

KREIMENCIEMS: YOUR RESIDENCE. YOUR STRONGHOLD. YOUR TRANQUILITY.

An aerial photograph of a modern residential development at dusk. Several two-story houses with flat roofs and large windows are visible, some with interior lights glowing. The houses are surrounded by lush greenery and trees. In the background, a line of trees separates the development from a city skyline under a twilight sky.

SIA Kreimenciems
Office: Cīniju Street 9, Jūrmala
Phone: +371 20 648 361
Email: kreimenciems@gmail.com
Website: kreimenciems.lv