

ESTA PARKET: Sustainability and Safety



WOODEN FLOORS YOU CAN TRUST

Natural Parquet Flooring with Ultra-Low Emissions

- **M1 Certification** – Finland's strict environmental standard for materials with minimal emissions.
- Tests measure **TVOC, formaldehyde, ammonia, carcinogens, and odor** after 28 days.
- **ESTA PARKET** complies with **M1 requirements**:
 - Formaldehyde $\leq 0.05 \text{ mg/m}^2\text{h}$
 - TVOC $\leq 0.2 \text{ mg/m}^2\text{h}$
- Our formaldehyde level is **four times lower** than the permitted limit, making it safe even for allergy sufferers.
- With no added formaldehyde or VOC, and only **water-based, organic, and safe lacquers and oils**, **ESTA PARKET** ensures healthier indoor air.

M1
MATERIAL
EMISSION CLASS FOR BUILDING

Made with CARB 2 Certified Plywood

- **Baltic birch plywood** with reduced formaldehyde content as the core material.
- **CARB Phase 2 certified** – among the strictest indoor air quality standards in the US.
- **Formaldehyde emissions ≤ 0.05 ppm**, far below the allowed limit.
- **Ensures high safety** and contributes to healthier indoor air.



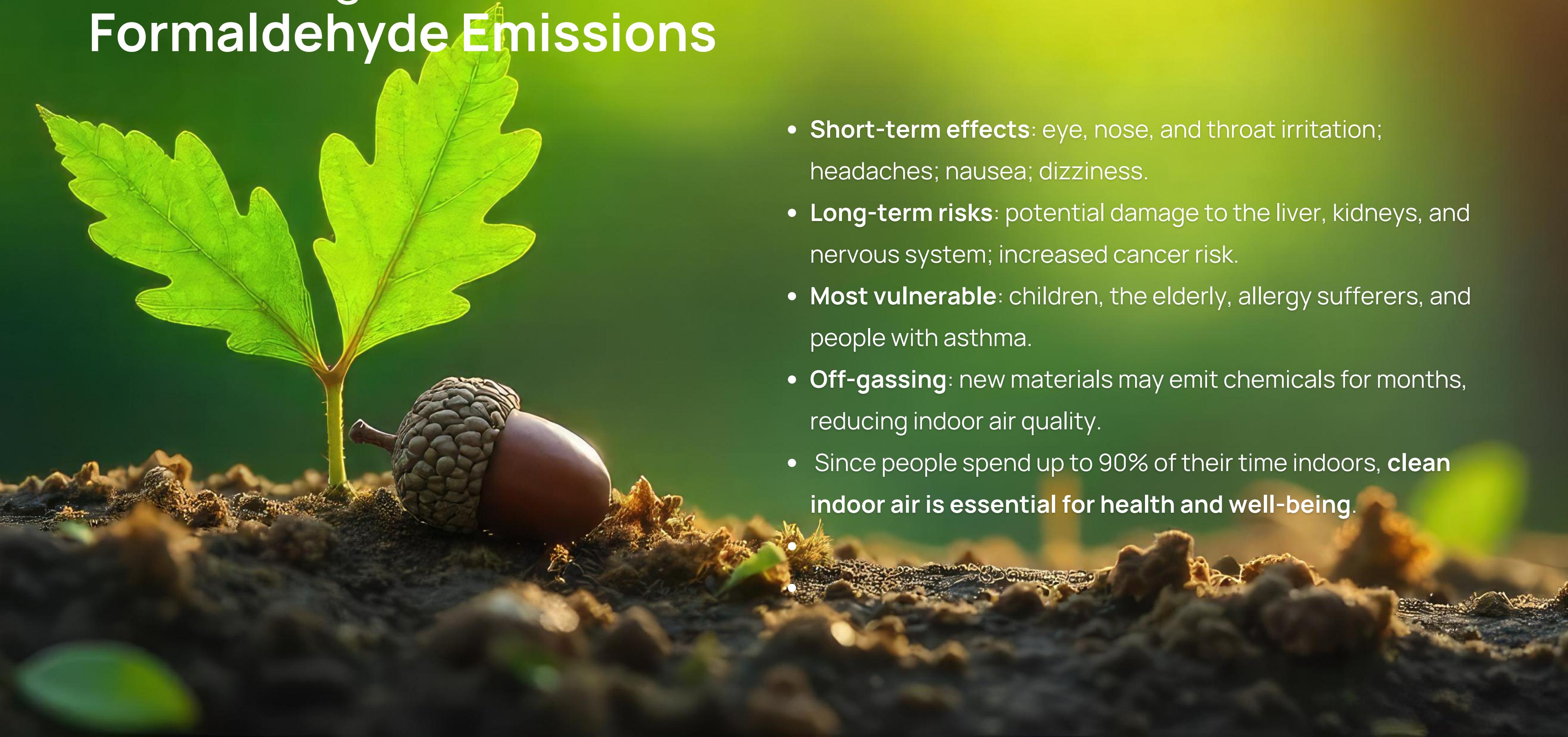
CARB²
COMPLIANT

Why It Matters: The Benefits of M1 and CARB 2

- **Health & Safety:** ultra-low emissions ensure a safe environment for children, the elderly, and sensitive individuals.
- **Sustainable Living:** certified materials support eco-friendly and responsible housing solutions.
- **Highest Standards:** M1 and CARB2 certifications exceed EU EN, CE, and E1 requirements.
- **Competitive Advantage:** perfect for projects prioritizing health, sustainability, and green building standards.



Risks of High VOC and Formaldehyde Emissions



- **Short-term effects:** eye, nose, and throat irritation; headaches; nausea; dizziness.
- **Long-term risks:** potential damage to the liver, kidneys, and nervous system; increased cancer risk.
- **Most vulnerable:** children, the elderly, allergy sufferers, and people with asthma.
- **Off-gassing:** new materials may emit chemicals for months, reducing indoor air quality.
- Since people spend up to 90% of their time indoors, **clean indoor air is essential for health and well-being.**



RAKENNUSTIETO • EMISSION CLASSIFICATION • M1>

Emission Classification of Building Materials

Technomar & Adrem AS

The classification committee appointed by Rakennustietosäätiö RTS sr has approved products:

**3-layer Ash engineered parquet, lacquered
3-layer Oak engineered parquet, lacquered
3-layer Walnut engineered parquet, lacquered
Multilayer Ash engineered parquet, lacquered
Multilayer Oak engineered parquet, lacquered
Multilayer Walnut engineered parquet, lacquered**

to Emission Class M1. The classification is valid until **11.10.2027**.

Technomar & Adrem AS has the right to mark its classified products with the classification label and to use the classification label in the marketing of these products. The classification decision is based on documents Classification of Indoor Environment 2018, and Emission Classification of Building Materials, General rules.

Rakennustieto Oy

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Thank you for your
attention!



ESTA [®]
PARKET