

# Healthy Tiny Home Kits



**Brand:**

**Product Code:** TinyHomes

**Weight:** 0.00lb

**Dimensions:** 0.00cm x 0.00cm x 0.00cm

**Price:** \$2,549.00

## Short Description

Lunos eGO fresh air Venitlation unit PLUS Weather Barrier, Air Barrier and Vapor Control Layer. Kits for Healthy Tiny Homes.

## Description

Lunos eGO is an all-in-one room ventilation system with a built-in regenerative heat recovery core, perfect for a Tiny Home.

The Solitex Mento membranes have an actively vapor open, monolithic layer of TEEE film that is extremely waterproof – its vapor open properties allows for unimpeded outward drying and for additional safety in high R-value walls and roofs for cold climate high performance.

INTELLO Plus is a smart vapor retarder that provides a first class air barrier for thermal insulation in roofs, walls and floors. More importantly it gives structural systems a previously unachievable degree of protection from structural damage (from condensation), even under extreme climatic conditions, due to its intelligent vapor retarding properties.

We recommend using Rockwool Comfortbatt Insulation. It is a thermal and acoustical

insulation made from inorganic stone and does not support mold or fungus growth. Additionally, this stone wool insulation is non-combustible and will not develop smoke or promote flame spread, even when directly exposed to fire, as most other insulation materials will. Comfortbatts are perfect for either wood or metal stud construction. This insulation is sold separately and is most cost-effective to source locally.

Additional trailer sizes also available; please upload a plan set below for detailed quantity estimate and quote.

## **Lunos**

Lunos eGO is an all-in-one room ventilation system with a built-in regenerative heat recovery core, perfect for a Tiny Home. Actually two units are recommended for trailers exceeding a 20-ft length.

The fan's regenerative core is charged by the oscillation of fan direction. During each cycle, fans take turns exhausting indoor air, which charges the regenerative core. Air flow then reverses and incoming air absorbs the stored heat at 85% tested efficiency.

Ventilation rates: 3-12 CFM in heat recovery mode, up to 27 CFM in exhaust mode.

For trailer sizes longer than 20 - 22 feet, a second Lunos ventilation unit is included.

Dimensions:

HRV diameter: 150mm ~ 5.9"

HRV length: 243mm ~ 9.6"

Min. wall thickness: 300mm ~ 11.8"

Core bore: 160mm ~ 6.3"

Cannot ship LUNOS products to Canada. Canadian customers, please contact ecogenia for assistance.

Download Links:

[Lunos eGO Installation Manual](#)

[Lunos eGO Specifications](#)

## **Weather Barrier**

SOLITEX Mento Plus--A 4 layer heavy duty underlayment for airtight roofing assemblies. It can be exposed and used as temporary dry-in stage. It is also used to net dense pack insulation in exterior wall without sheathing. The reinforced grid minimizes stretching during dense pack insulation directly behind it – its vapor open properties

allows for unimpeded outward drying and for additional safety in high R-value walls and roofs for cold climate high performance, comfortable homes.

The reinforced vapor open weather resistant barrier (WRB) or roof underlayment for vented roofs that can be used without exterior sheathing:

- to cover insulation.
- as dense pack blow-in netting for cellulose etc.

SOLITEX Mento 1000 is a 3-layer vapor open housewrap that is an extremely strong WRB for underlayment and rainscreen application. It provides superior weather protection and can cover insulation, plywood, OSB and ext. gypsum-board.

Both Mento membranes have an actively vapor open, monolithic layer of TEEE film that is extremely waterproof – and outperforms perforated/stretched WRBs/underlayments both in outward drying potential as well as air-tightness. It is much more vapor open than any sheathing, easier to apply and very durable – can also be used in pre-fab panels and as temporary weatherproofing.

#### Specifications

- Monolithic vapor open TEEE membrane, covered by two PP protection fleeces + reinforcement grid
- Very watertight, resist more than 8' ft of water column.
- High vapor permeability (38 perms per ASTM E96) – Sd-value 0.05m (DIN 12572).
- Airtight/windproof ProClima system (TESCON VANA, gaskets etc) optimizes insulation and assembly performance.
- High thermo-stability
- Temporary roofing/weatherproofing of façade and roof for up to 4 months. Certified by ZVDH (German roofing assoc).

#### Dimensions:

- Roll width: 59 1/16" (1.50m)
- Roll length: 164' 1/2" (50m)
- Roll area: 807 SF (75 m2)

#### Vapor Control Layer

INTELLO Plus is a smart vapor retarder that provides a first class air barrier for thermal insulation in roofs, walls and floors. More importantly it gives structural systems a previously unachievable degree of protection from structural damage (from

condensation), even under extreme climatic conditions, due to its intelligent vapor retarding properties.

For example:

- Vapor closed flat/green-roofs
- Unvented pitched roofs (asphalt shingles, OSB sheathing, valleys covered by ice&water shield)
- Mixed humid climates with cold winters and air-conditioning requirements in summer
- Extreme climates such as in high mountain regions or very cold/arctic conditions

Offers the largest vapor variable range available – it additionally opens up at the right moment

Properties:

- Perm rate from 13.20 to 25 m)
- Offers high diffusion tightness in winter (• Especially suitable for structures with lower permeability on the exterior which are difficult to protect from condensation (flat or grass roofs or metal siding/sheathing etc)
- Works with wide range of insulation materials, including fiberglass, BIBS, mineral wool and many others.
- Translucent – allows dense packed blown-in cellulose insulation to be inspected after installation  
— Use TESCON VANA Patches to cover holes from blown-in insulation
- Lightweight and easy to install, especially compared to OSB/Plywood
- Fully recyclable
- Air permeance per ASTM E2178 0.00005cfm/ft<sup>2</sup>
- Class A material per ASTM E84 test (0 FS, 35 SDI)

Available roll sizes:

323 sq. ft. – 59"x65.5" (short roll)

807 sq. ft. – 59"x164" (regular roll)

### **VOC-Free Insulation**

Rockwool Comfortbatt Insulation is a thermal and acoustical insulation made from inorganic stone and does not support mold or fungus growth. Additionally, this stone wool insulation is non-combustible and will not develop smoke or promote flame spread, even when directly exposed to fire, as most other insulation materials will. Comfortbatts are perfect for either wood or metal stud construction. Comfortboard is also available as an exterior rigid insulation layer under your exterior finish.

VOC-free Insulation also highly recommended but sold separately. We can recommend the Manufacturer, but local Distributors are the best option for purchase.

## Product Gallery





A human's breath in volume is 2 cubic feet. The average human at-rest breathes 12-20 breaths per minute. Which is 2-4 cubic feet per minute if breathing 12 a minute, or 4 cubic feet per minute if 20 breaths a minute. The average tiny home volume is  $(8' \times 24' \times 10') = 1,920$  cubic feet of air. So if you're a tiny breather you'll have 15 hours of fresh air or exactly 8 hours if you breathe 20 breaths per hour. You start breathing in your own breath before morning...

What about the DOGS?

**MeticStream Corporation**  
 From Micro-Organisms to Macro-Organisms  
 Living with the Green Core

A friendly reminder to ventilate your spaces, no matter how big or small with fresh filtered air.