

# groundfridge®

## Product Sheet

The Groundfridge is a naturally climatised, autonomously-operating, insulated cellar. It constitutes an innovated version of the traditional root cellar. The Groundfridge utilises the earth's cooling and insulating capacity.

### Delivery

- Groundfridge deliveries to Benelux countries will commence as of June 2019, with deliveries to non-Benelux countries set to commence from 2020.
- Please allow approximately eight weeks for delivery. You'll find the expected delivery date of your Groundfridge indicated on your quotation.
- Groundfridges come with a two-year warranty. The components covered by this warranty are its casing, door, door fittings, shelving and all other non-electrical components.

### Installation

- Installing your Groundfridge is a precise operation and installation requirements will often vary from one installation to the next. For this reason, you, the buyer, will have to commission its installation yourself.
- Groundfridges can be set into any soil type. The techniques and material required for installing your Groundfridge, along with its commensurate costs will be determined by the precise location and the local parameters of your designated site.
- Installation of your Groundfridge is not included in the purchase price. As such, you, the buyer, will have to commission its installation yourself. We have drafted a set of instructions to help you install your Groundfridge. Please consult the Installation Manual when installing your Groundfridge.

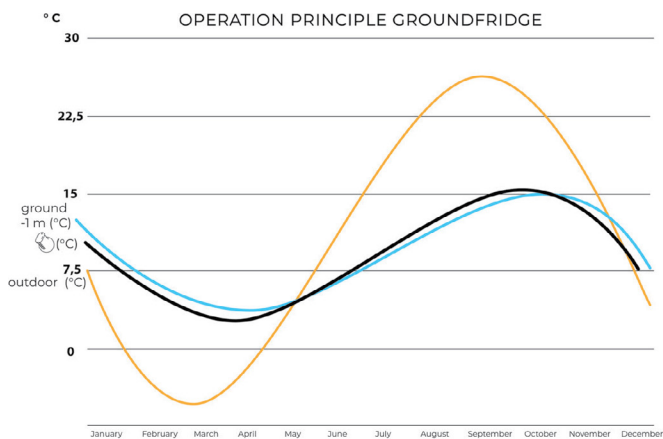
- We are able to connect you to a third party that has experience with installing Groundfridges. Should you so desire, you may elect to request them to install your Groundfridge for you.
- Lifting your Groundfridge will require the aid of a mobile crane capable of lifting at least 10 t. Your Groundfridge has been fitted with hoisting lugs to aid its installation and removal.
- Installing your Groundfridge will require you to dig out a 2 metre deep hole 2.5 x 2.5 metres in size. You'll need the soil you take out in digging this hole again later for covering your Groundfridge with after it has been dropped into the ground. This will leave a mound five metres in diameter.
- The layer of soil covering your Groundfridge should not be more than 1.5 metres thick. Make sure to disperse the topsoil evenly across your Groundfridge and mound. Do not plant any trees, or place any other objects, near your Groundfridge that may potentially encumber your Groundfridge with a load of more than 50 kg/m<sup>2</sup>. No more than two persons should ever move around on top of the mound covering your Groundfridge at any one time.
- We recommend that you locate your Groundfridge in a dark area, so as to allow it to avoid any build-up of heat. You may also elect to cover your mound with plants to reduce heat exposure. Please refer to our website for some tips on what mound vegetation you might want to add in.
- Installing your Groundfridge will usually not require you to obtain planning permission. We do, however, recommend that you always check with your local council whether this indeed also applies to your situation. The buyer will at all times bear the sole responsibility for timely seeking any required planning permission.



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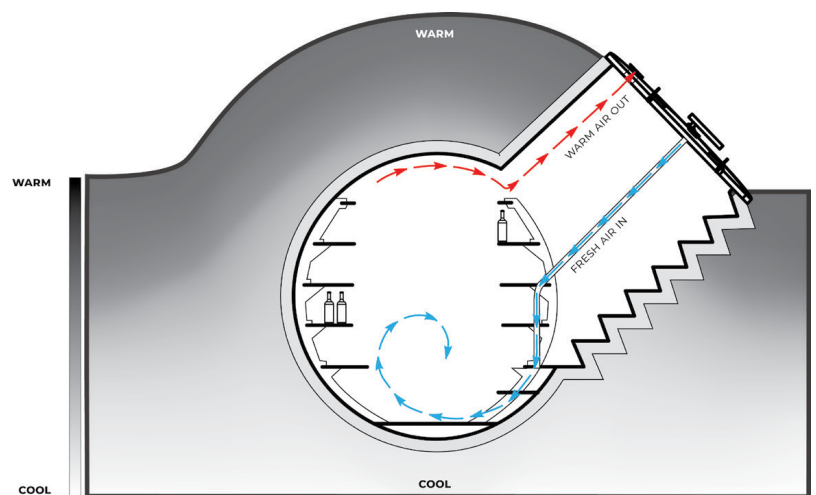
## Temperature

• The temperature level inside your Groundfridge will more or less match the temperature on its outside at a depth of one metre below ground. Its interior temperature is affected by local factors such as soil type, ground water levels, exposure to sunlight, mound vegetation and the average outside temperature. Check the average temperature inside your Groundfridge:



• Adorning your covering mound with vegetation will have a positive effect on the temperature inside your Groundfridge. Planting big-leaved plants and bushes on top of your mound will reduce heat build-up. We would advise you not to put in any invasive vegetation such as Japanese knotweed, for example.

• Your Groundfridge is fitted with a ventilator. This solar-powered ventilator offers you the option of setting ventilation times to your desired specifications. Night venting will have a positive effect on reducing interior temperature, as letting the cold night air can see it drop rather rapidly. We recommend venting your Groundfridge at least one full hour every twenty-four hours.



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## Technical Specifications

- Materials used:
  - > Your Groundfridge is made out of fibre-reinforced composite.
  - > Your Groundfridge door is also made out of fibre-reinforced composite and has been fitted with a layer of premium-quality foam insulation.
  - > It has also been fitted with stainless steel hinges and door fittings.
  - > The shelving inside your Groundfridge is made of uncoated waterproof plywood (21 mm).

Groundfridge interior colour coding:

RAL 9002 white

Door exterior colour coding:

RAL 6021 green

- Your Groundfridge is wind and water-tight and has been fitted with a solidly shutting door to keep out any animals, insects and other pests.
- It also features a solar-powered ventilation system. The ventilator also boasts a digital timer for setting your desired ventilation times.
- The door has been fitted with a padlock option and **can be opened both from the inside as well as the outside**. The padlock option will accommodate most regular padlocks. The padlock is not included with your Groundfridge.
- Your Groundfridge features motion-triggered battery-generated LED lighting.
- For specifications, see:

