



AT A GLANCE

Challenges

- Old Heating Solution Fell out of Use
- Customer only want to Install Heating Solution in Living Room
- Clean Energy Required

Heated Space

- Living/dining room in the size of approx. 36m²

Product Used

- **LaminaHeat** ComfortScrim Heating film 600mm,15,6 lm total.
- 3,200VA transformer
- OJ-Electronic thermostat control

THE BRIEF

This Old winery was hand built by the primary resident and his family in 1950, it is a three story building built using traditional Germany construction techniques. The previous heating solution was a wood fed oven which not only required the owners to chop and prepare wood prior to every heating season, but also created an overly hot and hard to control environment. The lovely couple are both around 90 years old, they love physical activities but recently, chopping wood has passed their limit.

THE SOLUTION

Prior to this heating season, the property owners wanted to install a heating solution that's was not only hands off but also created a more comfortable environment. They also wanted a clean energy solution in order to reduce their overall carbon footprint. It was decided to only install the main living/dining room with **LaminaHeat's** heating solution due to the two elderly residents spending the majority of their day in said room.

THE BENEFITS

Comfortable heat



Radiant heating
Minimal air circulation
Suspended pathogens reduced by 60%

Quick heat-up time



Heating surface reaches set temperature within minutes
20-30 minutes comfortable indoor environment is attained
Allows for Zoned heating, high energy savings

Flexible Design

Suitable for wall/ceiling/floor heating
Easy installation for both new houses and retro-fits
High proximity to surface, takes up minimal surface area
Easily integrated and or embed into building materials



**We do not need
hot air to feel
comfortable!**

Reiner Duchene

LaminaHeat Co. Limited

THE INSTALLATION

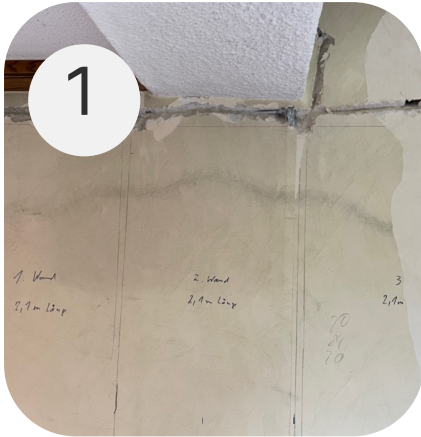
The installation went smoothly within a two day timeframe.

The electrician's working time with regard to the heating installation: approx. 12 hours.

Working time for the painter with regard to the heating installation: approx. 13 hours

Total working time for the installation of the wall radiant heating: approx. 25 working hours.

Not including overnight drying of the paint.



Make Cable Slots



Scrape wall paper
& fill in cables



Apply Heating Film



Spread Plaster



Connect Transformer & Thermostat



Complete Look
& Enjoy Your Comfort Heat

THE TECHNOLOGY

LaminaHeat's full surface carbon fiber heating film is a novel invention stemming from the aerospace industry. With this light weight, long lasting and extremely robust super material, it is now possible for us to make heating easier, cheaper and more comfortable than ever before! **LaminaHeat**, putting heat where it is needed.

Want to become a **LaminaHeat** Partner?



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