



# BLACK BODY RADIANT ONDOL bills go half

Carbon Reduction Products



**WEALTHOTH**  
everyone's invited



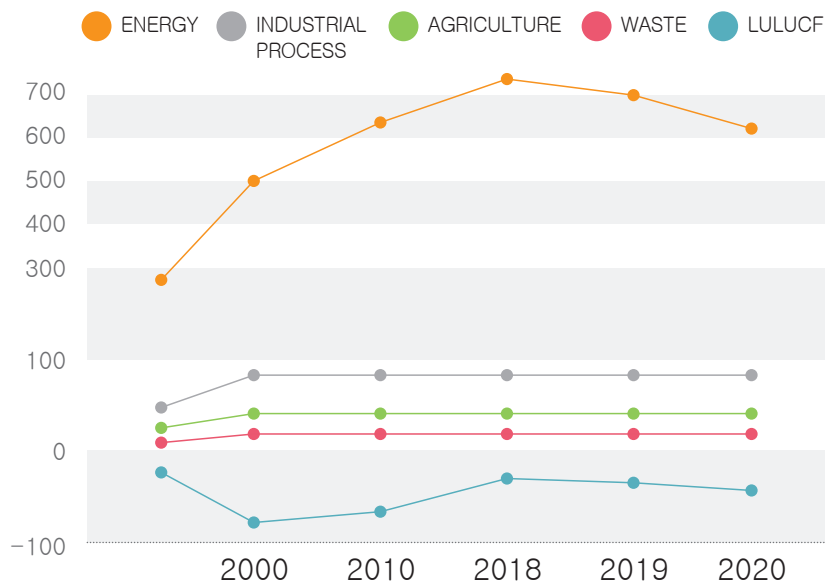
## From the beginning of heating, electricity consumption is reduced by half.

Current global climate change cannot be solved by one country or region reducing greenhouse gases. We face an urgent situation where we must drastically reduce net greenhouse gas emissions. Greenhouse gases are generated from industrial processes and energy use, and most of them are emitted from electricity use. Black body radiant ondol produced in Korea consumes significantly less electricity and provides heating. Black body radiation ondol can emit maximum thermal radiation. Due to the function of the product, the absorption capacity is large, The energy of the radiant wave emitted per unit time per unit area is also the largest. If you enter 100, the value of 100 is output as is, but only 50% of all products, including domestic products and overseas, are sold. It is printed. Among the heating methods, only black body radiation ondol is possible. This product reduces greenhouse gas emissions. We will spare no sacrifice to suppress it and guarantee the right to survival for our second generation. We will do our best without leaving any strength to turn back.  
thank you.  
seongkeun kim

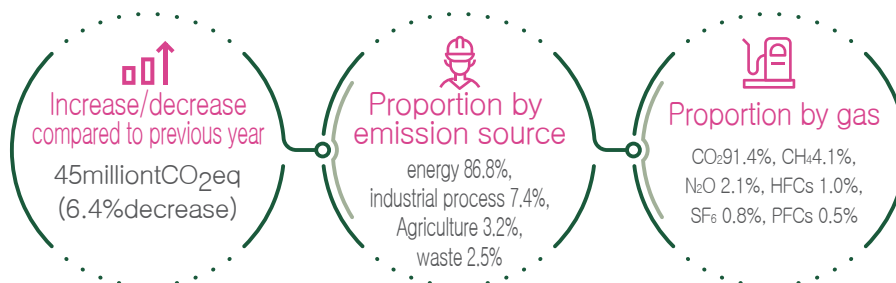




## Greenhouse gas emissions by Emission Source



656.2million tCO<sub>2</sub>eq



Item identification  
number

Standard

24775766	Electric heating piping, WEALTHOTH, WTH1-3811, Ø11mm×1.1m×1/0.3m <sup>2</sup>
24775767	Electric heating piping, WEALTHOTH, WTH1-3816, Ø11mm×1.6m×1/0.44m <sup>2</sup>
24775768	Electric heating piping, WEALTHOTH, WTH1-3821, Ø11mm×2.1m×1/0.58m <sup>2</sup>
24775769	Electric heating piping, WEALTHOTH, WTH1-3826, Ø11mm×2.6m×1/0.72m <sup>2</sup>
24775770	Electric heating piping, WEALTHOTH, WTH1-3828, Ø11mm×2.8m×1/0.77m <sup>2</sup>
24775771	Electric heating piping, WEALTHOTH, WTH1-3831, Ø11mm×3.1m×1/0.85m <sup>2</sup>
24775772	Electric heating piping, WEALTHOTH, WTH1-3836, Ø11mm×3.6m×1/1.00m <sup>2</sup>
27775773	Electric heating piping, WEALTHOTH, WTH1-3839, Ø11mm×3.9m×1/1.07m <sup>2</sup>
24775774	Electric heating piping, WEALTHOTH, WTH01-5516, Ø8mm×1.6m×1/0.44m <sup>2</sup>
24775775	Electric heating piping, WEALTHOTH, WTH01-5521, Ø8mm×2.1m×1/3.3m <sup>2</sup>
24775776	Electric heating piping, WEALTHOTH, WTH01-5526, Ø8mm×2.6m×1/0.72m <sup>2</sup>
24775777	Electric heating piping, WEALTHOTH, WTH01-5528, Ø8mm×2.8m×1/0.77m <sup>2</sup>
24775778	Electric heating piping, WEALTHOTH, WTH01-5531, Ø8mm×3.1m×1/0.85m <sup>2</sup>
24775779	Electric heating piping, WEALTHOTH, WTH01-5536, Ø8mm×3.6m×1/1.00m <sup>2</sup>
24831159	Electric heating piping, WEALTHOTH, WTH0-5521, Ø8mm×2.1m



# Monthly heating costs and greenhouse gas emissions

Division	WE\ LTHOTH KOREA ONDOL	Heating film	Heating cable	Heating pipe
Whether a shower room is installed	possible	impossible	possible	impossible
heating element	nichrome	Carbon paste	nichrome	iron chrome
Body	metal pipe	thin film	silicone louvers	metal pipe
Heating method	radiation	far infrared rays	Conduction	Conduction
electrical capacity/128.2㎡	7.2KWh	18.6KWh	16.4KWh	14.2KWh
Australia electricity unit price average /kwh	30.92C	30.92C	30.92C	30.92C
power usage	2,160KWh	5,245KWh	4,428KWh	4,260KWh
monthly electricity bill	668AUD	1,622AUD	1,369AUD	1,317AUD
monthly greenhouse gas emissions	1.025tCO <sub>2</sub> eq	2.490tCO <sub>2</sub> eq	2.102tCO <sub>2</sub> eq	2.022tCO <sub>2</sub> eq



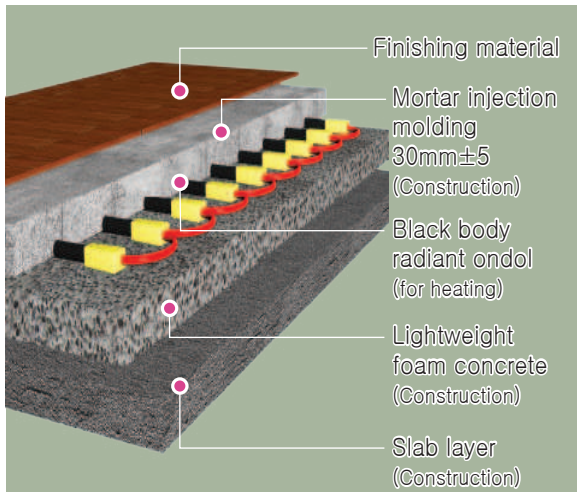
## Field Work Photographs



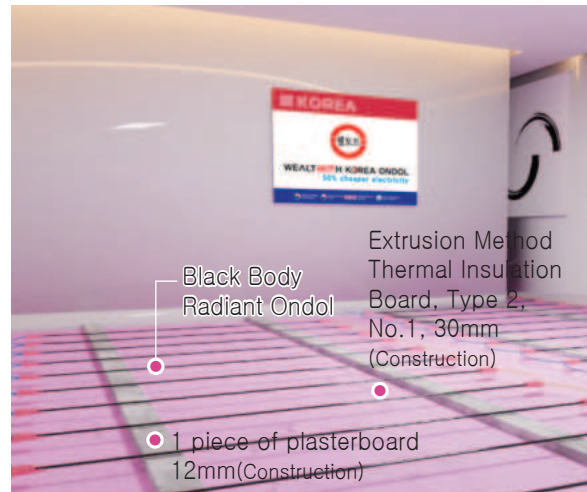




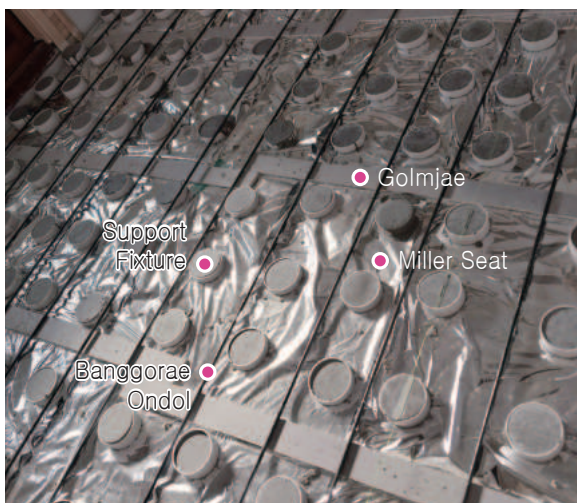
## Black body radiant ondol Construction Process



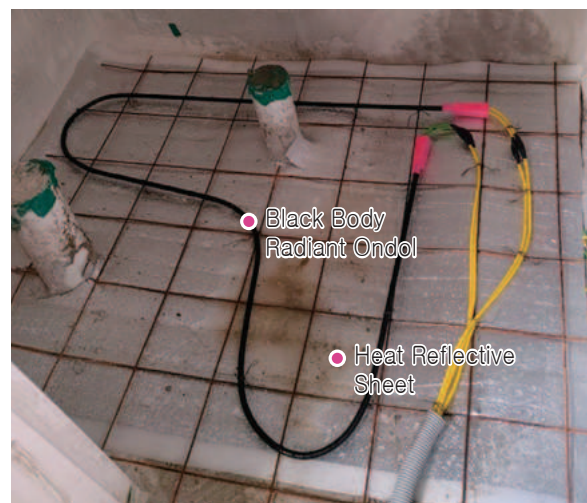
Basic floor insulation: lightweight foam concrete



Alternative floor insulation: insulation board



Gorae heating: support fixture + tile finish



Shower room insulation type: Heat reflective sheet





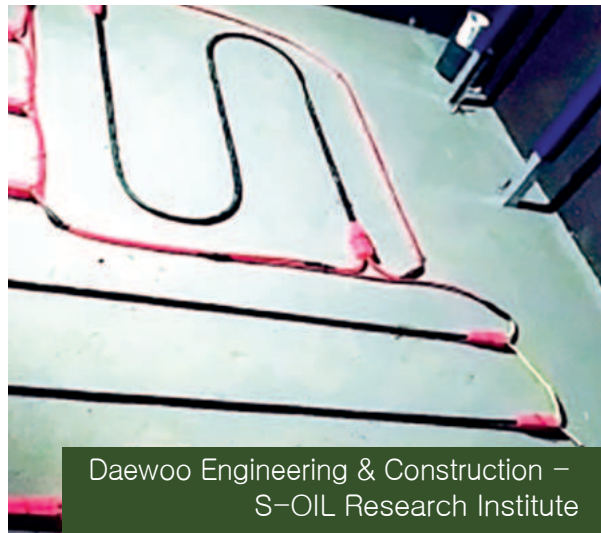
## Black body radiant ondol Construction Photo



DL E&C – 800 rooms



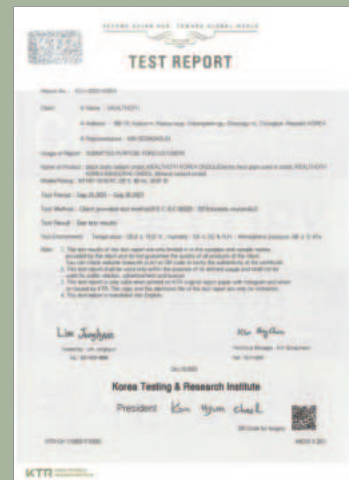
Hanjin Heavy Industries –  
National Seoul Hospital



Daewoo Engineering & Construction –  
S-OIL Research Institute



## Certification and Report





# Black body radiant ondol Construction Case



Seoul National Hospital



School



Elderly care home



Education Center

WEALTHY



## Features

- 1 Greenhouse gas reduction products.
- 2 50% Cheaper Electricity.
- 3 Energy consumption is reduced by half from the beginning of heating.

- 4 Large thermal mass and uniform temperature distribution
- 5 High space utilization.
- 6 Walking stability.
- 7 Excellent explosion safety.





website address : <http://wealthoth.kr>



**H L Q I** Contributing to the Improvement in the Quality of Human Life. Who? We!

We are energy experts. We are masters of what we do.  
Transform your space with underfloor heating.  
We believe in optimizing space and improving focus,  
and we believe that the space we provide should be one you want to stay in.  
We will provide optimal heating for your business.  
We build with unique designs, deliver what we promise,  
and ensure ongoing maintenance.

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