



TRUTHERMA-REDEFINING WINTER COMFORT



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AN ENGINEERING EXCELLENCE REDEFINING
WINTER COMFORT WITH SMART HEATING



PREMIUM WINTERISATION & HEATING SOLUTIONS FOR MODERN LIVING

TruTherma Engineers & Consultants LLP is a specialized engineering and consultancy company offering advanced winterisation and process heating solutions for residential, commercial, and industrial applications. With a legacy of 25+ years carried forward from Integro, we bring deep expertise in thermal engineering, energy-efficient heating systems, and turnkey project execution. Our winterisation division provides premium comfort heating systems designed for harsh winter conditions, ensuring safety, reliability, and energy efficiency in every project.



OUR OFFERINGS IN WINTERISATION SOLUTIONS
RESIDENTIAL & COMMERCIAL HEATING SOLUTIONS



- Underfloor radiant heating systems
- Heated towel warmers and bathroom comfort solutions
- Heat pumps for water heating
- Snow/ice melting systems for walkways and driveways
- Roof & Gutter de-icing
- Hot water distribution & storage systems

- Freeze protection of water lines, fire lines and water storage tanks

WHY TRUTHERMA?

- Engineering Expertise: Backed by 25+ years in process heating and thermal systems
- Premium Quality: Modern, durable, and energy-efficient design
- Turnkey Capability: From design consultancy to installation & commissioning
- Sustainability: Focus on green, cost-efficient, and low-maintenance solutions



VISION

To be a trusted partner in thermal comfort and industrial winterisation, making homes warmer, businesses more comfortable, and industries more resilient to cold climates.

Under Floor Heating

Imagine waking up on a cold morning and stepping onto a perfectly warm floor. With our state-of-the-art underfloor heating systems, that comfort is just a step away.

Whether you're building a new home or renovating your current space, our systems are designed to deliver:

- Consistent, energy-efficient warmth Seamless integration with all floor types-tile, wood, laminate & more
- Silent, invisible heating-no radiators, no drafts
- Lower energy bills and improved comfort



WHY FLOOR HEATING



With traditional central heating, air heated by the radiators rises. The result is that the hottest part of the room is the ceiling and the coldest is the floor, where the heat is actually needed. This is both very inefficient and wasteful but also uncomfortable to the body.

Conversely heated floors produce a much more comfortable environment with even heat distribution throughout the room. So the room may be controlled up to 2°C lower than for the traditional system, for equivalent levels of comfort.

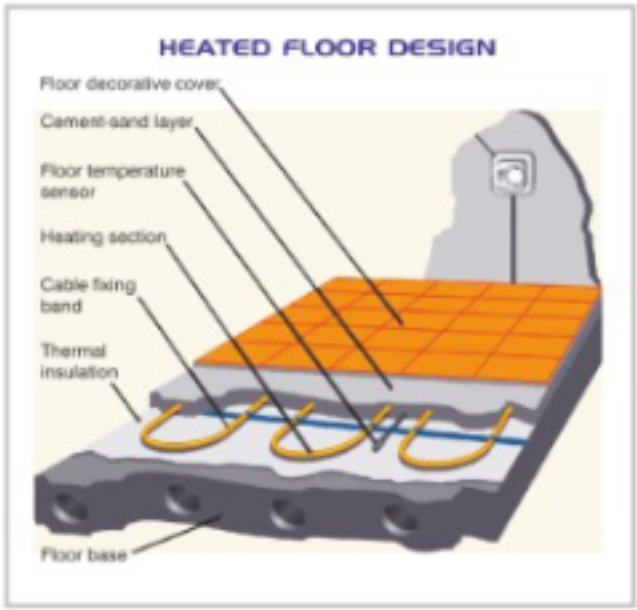
BENEFITS FROM FLOOR HEATING INCLUDE:

- No more cold feet! more comfortable warmth
- Uniform heat, where it is needed, distributed across the whole floor
- Lower temperature set-point = greater energy efficiency
- Invisible heat - no unsightly radiators
- No high temperature surfaces - safer, particularly for older people
- Gentle air circulation reduces airborne dust - a must for allergy/asthma sufferers
- Dry floors eliminate fungi growth
- Easier to keep clean

Underfloor heating can be provided by warm water pipes or electric cables installed in the floor. TruTherma electrical solution will have approximately half the cost of an equivalent warm water system, is more easily installed and controlled and having no moving parts and is maintenance free.

With Self-regulating intelligent heating cables, for the first time, just one cable can be used for all floor-warming applications - whatever the floor surface, its construction, whether new build or retrofit, and whether for supplementary (comfort) heating or as a primary single heat source.

TruTherma underfloor heating system suffers none of these disadvantages!!!



Energy efficient hot water temperature maintenance System:

The hot water in the pipeline from centralized/solar water heating system to usage point generally gets cold due to heat loss, with the result, we get cold water for some time which is left in the pipeline, till the time the hot water from storage tank reaches usage point. We provide heat tracing solution for maintaining the temperature of hot water pipeline which gives the comfort of using hot water at any time you open the tap.



Driveway Snow melting, Gutter and roof snow melting, Frost protection of water taps



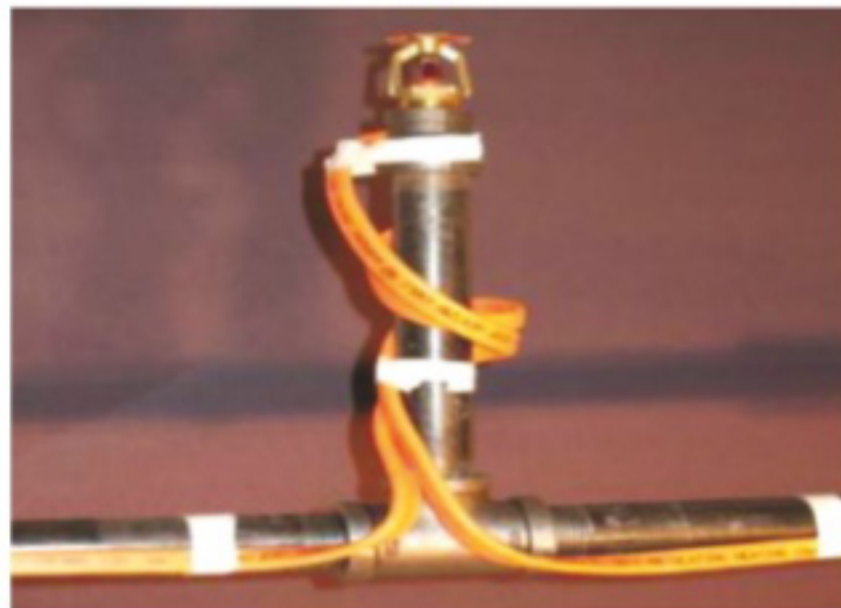
Snowy winters can be a pain, especially when you have to shovel and salt your driveway, walkway and stairs. We offer a selection of Snow Melting systems that heat driveways and all concrete or pavement around your home, as well as roof and gutter de-icing solutions and portable snow and ice-melting systems.

Installing our heavy duty heating cable will give you peace of mind in knowing that your roof will be secure and unharmed by even the harshest winter storms. You can stay comfortable inside and let the pavement do the work for you.

Freeze Protection of water lines and Fire Suppression systems

Heat Tracing Systems are suitable for Protection of Fire Sprinkler Piping against Freezing.

Where above ground water-filled supply pipes, risers, system risers, or feed mains passing through open areas, cold rooms, passageways or other areas exposed to sub- zero temperatures, the pipe is protected against freezing by heat tracing and insulating covering.



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Heat pump for water heating

Domestic and commercial

- User Friendly Installation and low maintenance
- Efficient any weather performance
- Power of Heat pump Specific Rotary Compressor
- Advanced Controller functions
- WIFI function
- Quiet Operation



USER FRIENDLY INSTALLATION AND LOW MAINTENANCE

Designed for easy access and simple installation. Maintenance for the equipment is almost non-existent providing maximum safety and security.

EFFICIENT ANY WEATHER PERFORMANCE

Efficient performance day or night or in any weather. So irrespective of the weather outside you can always have hot water at your disposal.

POWER OF HEAT PUMP SPECIFIC ROTARY COMPRESSOR

New generation Rotary compressor designed especially for heat pump, which has a higher condensing temp. when compared to regular AC compressor.

ADVANCED CONTROLLER FUNCTIONS

Next Gen advanced fully automatic heat pump controller with advanced energy savings functions & full system protection.

WIFI FUNCTION

The controller has built-in WIFI functionality with App for easy operation, you can set the desired temp and switch on / off the system.

QUIET OPERATION

Unlike regular heat pump, it doesn't have any moving apart from compressor it is extremely silent and doesn't bother you.

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TruTherma intelligent underfloor heating systems is suitable

- For almost all floor coatings (tiles, wood, laminates, plastic)
- For both dry and wet rooms
- Can be laid on any floor (plastic, concrete, wood)

Heating cables based on Self regulation Technology

- A self-regulating floor heating solution automatically adjusts its power and heat output in accordance with the temperature of the floor. For cold floors, more heat is produced and in warmer areas, less heat is produced.
- This variation in heat and power output is independent of the control system. The control systems can be used for further saving of energy with highly efficient control system.

Advantage

- Avoids overheating
- The cable can be closely spaced.
- Maintenance-free.
- An intelligent cable — Cannot burnout or overheat.
- Responds to any part becoming hot by reducing the heat produced at that point.
- It is effectively self-controlled at every point along its length to prevent overheating.
- Cut to length, Can be cut to the exact length needed.
- New build or retrofit, can be fitted in new buildings or retrofitted over existing floors.
- Suitable for all rooms - conservatories, bathrooms, kitchens, living areas etc.
- Self-regulating Responds to localised additional heat losses which makes it **An Intelligent Heating system – The right amount of heat when and where needed.**

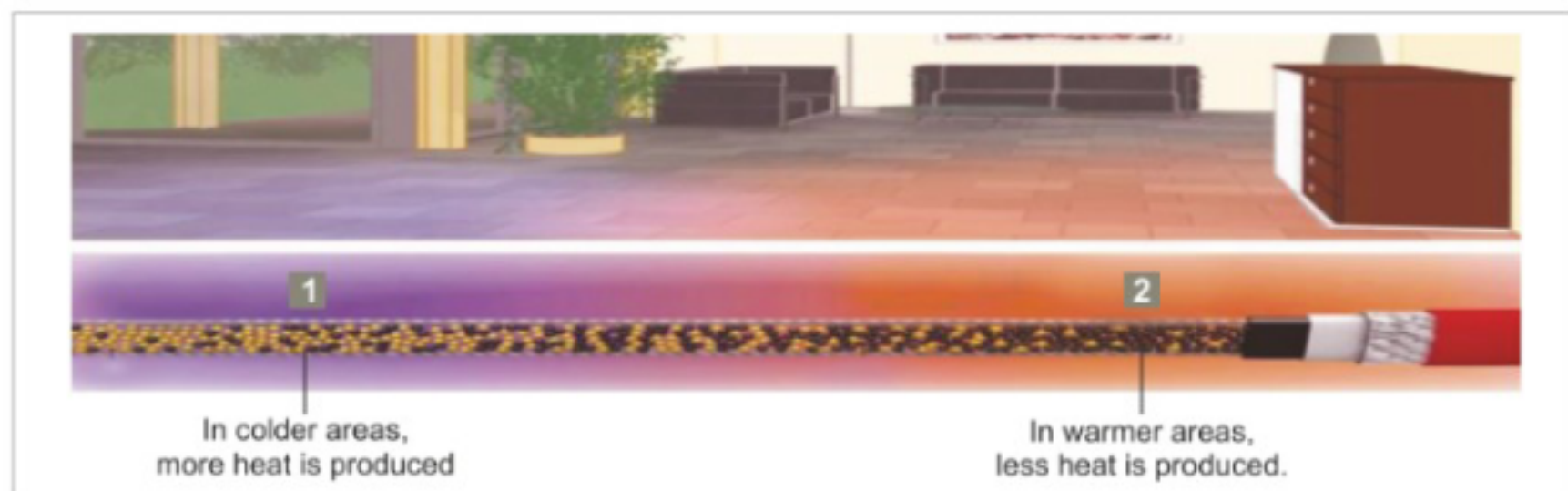


Cold Outside

- There is a cold draft near the door or window.
- The cable senses the need for more heat and increases its heat output.

During the day...

- The sun heats the floor next to the window.
- The cable senses the need for less heat and lowers its heat output.



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Intelligent Heat Passes the 'Beanbag Test'

Integro's Heating cable is incapable of overheating or burning out. Its power output is regulated according to its localised conditions. In this example of the 'Beanbag test' the Heating cable produces minimal heat in the area where the beanbag is insulating the floor, thereby preventing the cable from overheating. Output from the cable under the wooden floor is less than that under the ceramic tiles, due to the greater thermal insulating effect of the wood.

Energy efficient freeze protection heating jacket for water tanks

Energy efficient, burnout proof self regulating heating cables used for maintaining temperature of water tanks during winters to prevent freezing.

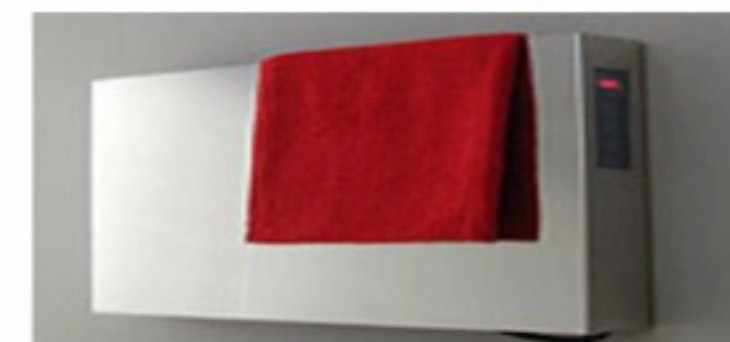


Towel Warmer

Every Shower Deserves a Warm Towel" Luxury You Can Feel Every Day
Say goodbye to cold, damp towels. With our premium towel warmers, every shower or bath ends in comfort and luxury.
Whether you're upgrading your bathroom or adding a touch of indulgence, our towel warmers offer:

- Fast, even heating
- Energy-efficient and safe
- Sleek modern designs to match any style
- Wall-mounted or freestanding options
- Helps prevent bacteria and mold growth.
- MOC: SS304/Powder coated
- Special heating element, based on self regulating technology, superior technology considered globally. It is burn out proof and shock proof.
- 250W and 300W models.

Start every day with the comfort of a warm towel-it's a small upgrade that makes a big difference.



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