



# THERMILATE PRODUCT RANGE





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## Thermilate Technologies

Thermilate Technologies Ltd is a globally renowned innovator and leading manufacturer of insulating paints, coatings and plaster products that are highly sustainable. With over 10 years of expertise from the original Research & Development team, we provide leading energy-saving products in the field of protective insulation for a myriad of domestic, commercial and industrial uses.

## Why Us?

Our insulation solutions include functional, easy-to-use paints and plasters which provide durable insulation to safeguard your home, property or equipment. We supply insulation paint products to all sectors including construction, industrial plants, shipping and cargo, hypermarkets, commercial properties, homes, and many more. Our products are 100% genuine and effective and are: Insulating and energy-saving, so protects your property and equipment from heat-loss in cool climates and heat gain in hot climates. Water resistant, helps keeps your property and equipment safe from moisture damage. Cost-effective, helping you to save money maintaining a suitable environment Safe to use, as they do not give out harmful vapours or by-products (and can protect from damp and mould illness) Eco-friendly, which is especially important in the drive to achieve an optimum global environment Thermilate Technologies Ltd, with offices in the UK and Dubai, continues to satisfy customers around the world. We are committed to providing the best possible service in delivering environmentally friendly, high-quality products to save energy and save money and to work in harmony with our environment, not against it. Our products are manufactured to original formulations which have been tested at world leading laboratories and government bodies for a variety of applications including UKAS pproved Salford University and GEO Sciences in America.

## Client Satisfaction

We pride ourselves in supplying the perfect, cost-effective insulation products and regardless of your location, you can be assured we can develop solutions to meet any specific application needs. From the UK to Australia and Canada to Dubai, Thermilate Technologies has covered it all!

## Counterfeit Thermilate Products

We continue to work to stop corrupt distributors from trading unqualified Thermilate products. Only genuine Thermilate products are efficient, safe and green. Each genuine Thermilate product is despatched with a 3-D Thermilate hologram showing a unique six digit, traceable serial number for your reassurance.





SAVES ENERGY. SAVES MONEY. Interior paints reduce heat loss through walls, ceilings and floors by up to 25%. Water-based and eliminates mould and other minor condensation problems. Cost-effective, easy-to-use, domestic decorative insulating solutions.



## InsOpaint™ Interior Emulsion

InsOpaint Interior Insulating Paint reflects up to 25% of heat back into rooms to SAVE ENERGY and SAVE MONEY. Dramatically reduces condensation problems on walls and ceilings.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## InsOpaint™ Anti-Condensation

The perfect answer for protection from continuous and severe condensation problems including mould and peeling wallpaper, while SAVING ENERGY. Premium quality and very low odour.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## InsOpaint™ Kitchen & Bathroom

A hard-working, water-based emulsion specially formulated to SAVE ENERGY and prevent mould growth and bacteria in areas with high humidity and condensation. Washable with a subtle mid-sheen finish.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## InsOpaint™ Gloss

This tough, high-sheen gloss is quick-drying and suitable for use on both interior and exterior woodwork and metals. Formulated to SAVE ENERGY.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## InsOpaint™ Clear

Insulating heavy-duty clear silicone sealer. Excellent water repellent. Protects against damp, dirt, chemicals, water ingress and extreme weather. Microporous formulation provides unrivalled breathability.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## InsOpaint™ Masonry

Premium exterior coating protects against extreme weather conditions. Reduces heat loss through walls by up to 25%. Reduces heating bills carbon emissions and maintenance costs.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	5
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## InsOpaint™ Insulating Plaster & Render

Breathable, 83% lighter-weight, fibre reinforced cement plaster. Reduces heat loss through walls and ceilings by up to 70%. Only energy-saving plaster listed on Ofgem website.

Pack Size (litres/kg)	50 / 15
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## InsOpaint™ Insulating Floor Primer

An insulating acrylic primer. Seals, bonds and thermally insulates most types of floors. Also enhances the effectiveness of under-floor heating systems and saves on running costs.

Pack Size (litres)	1
Coverage (m <sup>2</sup> per litre)	14

## Thermilate Case Studies

### Coca-Cola Enterprises

The iconic Coca-Cola approached Thermilate with regard to a problem of condensation on the pipe work in their factory. The thousands of pipes carrying liquids (including Coke Cola) running across the factory had to have the foam insulation on them removed in order to prevent condensation and corrosion under insulation (CUI). It was a case of resolving one problem and being faced with another. To solve the condensation problem, Thermilate recommended Coca-Cola use TRADE Metal, a specialised coating which 'holds onto' the heat in the surrounding environment. TRADE Metal was applied across the pipes for the purpose of reducing the condensation forming on the surface. TRADE Metal successfully prevented the condensation forming on the pipe work. Coca-Cola was so pleased with the results, that they tested TRADE Metal (Thermilate's flagship energy saving product) on the roof of the factory, upon noticing significant energy-savings, they are now looking to use the product in all their factories across Europe.





**SAVES ENERGY. SAVES MONEY.** A premium job deserves the premium brand. Decorative, industrial and specialist paints from the only insulating paint manufacturer - Thermilate. Outstanding coverage, opacity and durability, combined with scientifically proven insulation.



## TRADE Interior Emulsion

Scientifically proven to reduce heat loss through walls and ceilings. Industrial strength with excellent coverage. Prevents condensation problems. 25 colours.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## TRADE Anti-Condensation

Solves continuous and severe condensation problems. Perfect for use in areas subject to high humidity and condensation. Insulating, premium quality paint giving excellent coverage, opacity and durability.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## TRADE Kitchen & Bathrom

A tough, breathable, water-based acrylic paint. Unique formulation combines insulation to save energy with anti-mould and anti-bacterial properties. Ideal for domestic and commercial kitchens, bathrooms, schools, hotels, gyms, restaurants, spas, laundries, swimming pool areas.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## TRADE Gloss

Water-based with an outstanding durable, gloss finish. Made with premium quality alkyd resins to produce excellent opacity and light fastness. For interior use on woodwork and metalwork.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## TRADE Clear

An insulating, maximum-strength clear silicone sealer coating forexterior walls; including natural stone-work, brick etc. Protects against moisture ingress and dirt. Water repellent and fully weather-proof.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## TRADE Masonry

Insulating and decorative. High resin content means maximum protection and longevity. Heavy pigment loading for high opacity. Reduces heat loss through exterior walls.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	5
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## TRADE Metal Coating

DDA compliant handrail and metal surface coating. Unique high-quality, semi-gloss 'warm to the touch and anti-slip' product. Apply by brush or spray.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## TRADE Primer

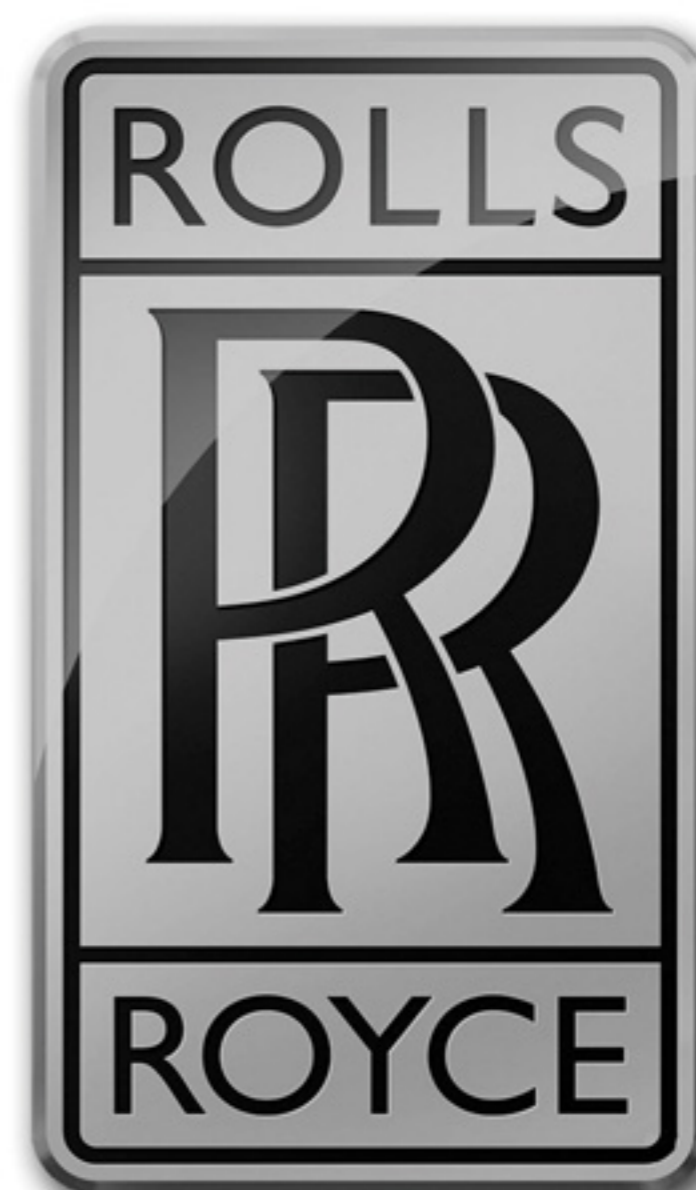
Suitable for using with both ferrous and non-ferrous metals to provide excellent paint adhesion to most substrates. Incorporates anti-corrosive pigments for protection. Grey colour.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray

## Thermilate Case Studies

### Rolls Royce

Gone are the days of a British class system, where the aristocracy would pride themselves on the ownership of a brand new Rolls Royce car as a major show of wealth and dominance over the community in which they resided. In a modern era such emphasis has shifted to other countries such as many of those based in the Middle East, where much of these fine vehicles are now exported – for the addition to the portfolios of Arab sheikhs and members of wealthy royal families. As such upon the completion of the manufacture of these vehicles here in the UK, they are polished to a very high degree, as one would expect, only to arrive at the destination port some two weeks later, having been at sea in a moisture laden country in a rather fine mess, meaning the company would have to send professionals out to such destinations only to re-polish the vehicles, at considerable inconvenience and cost, much to the disgust of their customers. The company embarked upon a project with Thermilate to coat their containers with Thermilate PRO S-FLEX in order to prevent the build-up of moisture (condensation) in these containers, a trial was carried out, which has immensely successful, the solution had been found and Rolls Royce coated all their containers in PRO S-FLEX, resolving this problem once and for all.





SAVES ENERGY. SAVES MONEY. Easy application with an exceptional, durable performance. These weatherproof exterior wall and roof coatings have been developed to prevent peeling, flaking and fading. Resists moss growth, peeling, blistering exterior coatings for walls and roofs.



## PRO Roof

PRO ROOF is a truly unique waterproofing and insulating roof coating. Innovative thermal system specifically developed to be the most insulating, protective and durable roof coating in the world today. Saves energy. Saves money.

Pack Size (litres)	20
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## PRO T-Flex

PRO T-FLEX – a superior textured, hi-build insulating and waterproofing exterior wall coating. Premium quality resins and life-long elasticity for enduring all round protection. Saves energy. Saves money.

Pack Size (litres)	20
Coverage (m <sup>2</sup> per litre)	1 - 1.5
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## PRO S-Flex

PRO S-FLEX is the smooth hi-build, flexible insulating and waterproofing wall coating. Maximum strength protection and flexibility while remaining breathable to prevent mould growth. Saves energy. Saves money.

Pack Size (litres)	20
Coverage (m <sup>2</sup> per litre)	2 - 2.5
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## PRO Clear

PRO CLEAR is a remarkable clear silicone sealer. That protects against moisture ingress and all other elements without changing surface colour.

Pack Size (litres)	20
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray

## Thermilate Case Studies

### National Health Service

NHS Building Regulations 2000 Law and DDA compliancy left the NHS looking for an urgent cure. The regulations state that handrails used by the public at large have to be 'warm to the touch and slip resistant at the same time'. NHS approached Thermilate to help identify a solution due to their experience in insulating coatings. Thermilate had just recently finished testing the new handrail and non-slip handrails with a formulation of their insulating powder and slip resistant additives. TRADE Metal was applied to the handrails and the management at the PCT immediately noticed that the handrail was warmer to the touch and slip resistant. This was then used across the PCT on other buildings and a survey was carried out to establish the customer satisfaction. The results were very encouraging especially in the older generation of users, as they relied on handrails to walk comfortably and were particularly sensitive to their hands feeling both uncomfortable when in contact with cold metal surfaces and slippery.





This eco-friendly, ready-to-use paint range is water-based and made from natural clays and organic pigments. VOC free and odourless makes this the perfect choice for children's rooms, asthma sufferers and those sensitive to allergies.



## PureWorld™ Interior Emulsion

VOC free and odourless makes this the perfect choice for residential, commercial and buildings where public safety must be paramount. Made with natural clays, organic pigments and water.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## PureWorld™ Anti-Condensation

Designed for longevity and durability in all areas of high humidity and condensation. Prevents toxic mould growth, staining, peeling and blistering paint. This eco-friendly paint can be easily sponged clean.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## PureWorld™ Kitchen & Bathroom

Water-based and providing unrivalled breathability to eliminate severe mould and other condensation problems. Helps keep the air cleaner for asthma sufferers and those sensitive to allergies.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## PureWorld™ Clear

Protective clear exterior silicone sealer. Creates a complete water-proof and weather-proof barrier without changing surface colour. Microporous properties maintains essential breathability.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## PureWorld™ Gloss

Environmentally-friendly, water-based and solvent free durable gloss finish. Plant based binding agent ensures maximum sustainability. Virtually no odour while delivering excellent coverage and high performance.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray



## PureWorld™ Masonry

Long lasting exterior paint creates a complete water-proof and weather-proof barrier. Microporous properties maintains essential breathability. Excellent texture and finish.

Pack Size (litres)	5
Coverage (m <sup>2</sup> per litre)	12
Touch Dry (hours)	2
Recoat (hours)	4
Application Method	Brush / Roller / Spray

## Research & Development

Insulation and thermal efficiency, safety and ease-of-use are at the core of everything we produce. Our highly focused R&D team use a combination of the latest micro technology to develop guaranteed energy-saving and protective, decorative and functional paints and coatings for interior and external uses around the world. All Thermilate products are manufactured to original formulations that have been tested at world leading laboratories and government bodies for a variety of applications. These include UKAS approved Salford University and GEO Sciences in America.

## Product effect

Thermilate insulating technology quite simply creates a thermal barrier which reflects heat once the paint, coating or plaster has dried. So properties in hot climates save energy and save money on air-conditioning bills when exterior walls and roofs are coated with Thermilate products, because less solar heat passes through these surfaces into the buildings. See Ash for solar reflectivity explanation. Conversely, properties in cool climates save energy and save money on heating bills when interior walls and ceilings are painted with Thermilate products because heat loss is reduced by up to 25% when painted with Thermilate products. Another important feature of Thermilate insulating technology is that condensation problems are dramatically reduced or eliminated entirely due to the special resins.

## Scientifically proven to work!

Each and every Thermilate product is manufactured to original formulations that have been tested at world leading laboratories and government bodies for a variety of applications. These laboratories include UKAS approved Salford University and GEO Sciences in America along with:

- University for Architecture, Construction and Geodesy, Bulgaria
- US Army
- Pratt & Whitney Aerospace
- The National Construction Institute of Korea
- Municipal Government in Tokyo, Japan
- National Standards Testing Laboratories, USA
- Italabs, India
- Rousse Trading Group Ltd, Bulgaria
- Housing Industrialization Centre, China
- Richards Testing Labs Inc, USA
- CIEMS, California
- P.I.W. Bioekoteck, Poland
- National Academy of Science, Ukraine
- Ukrainian Ministry for Consumer Affairs
- Fontys Academic Institute, Holland



## Chris W

"Hi. Thermilate insulating emulsion has worked very well for me. I've used it in two locations. The first was a very cool Hall, with a heating thermostat on a warm inside wall set at 19.5°C and a thermometer on a very cold outside wall where the temperature over winter never exceeded 16°C. After painting the outside walls in the Hall with Thermilate insulating paint, the whole Hall feels much warmer and the thermometer on the outside wall now reads 19°C. I've also used it in a sitting room with three outside walls which never remained warm for very long. After painting the outside walls with Thermilate insulating paint the room now feels much more comfortable. I also persuaded my church to paint the main body of our church (ceiling and outside walls) with Thermilate insulating paint. The church used to have its thermostat set at 21° and it very rarely if ever felt warm over winter. Since applying the Thermilate insulating paint the church now feels comfortable and warm with the thermostat set at 17°C, which is saving a lot of money in heating costs. I plan to use Thermilate insulating paint in the future when other rooms at home need painting. I am glad to say that my experience with Thermilate insulating paint has been wholly positive and I now recommend it to family and friends. Best regards, Chris W"

## Simon C. Eastbourne

We first bought the paint a couple of years ago, when we were refurbishing the bathroom in our house prior to sale. With two outside walls, condensation and unsightly mildew had been a problem in all the years we'd lived there. The Thermilate insulating and energy-saving paint was easy to apply and I knew as soon as it was dry that it had done 'something' because the walls were slightly warm to the touch. Until this point, I had been fairly sceptical because I couldn't see how anything as thin as a coat of paint could achieve a meaningful degree of insulation. However, in the months between the paint going on and completion on sale, there was no condensation problem anymore and no trace of mildew, even on the ceiling where I had used the remainder of the wall paint, then put white emulsion over the top. Since then, we have properties we bought to let and have used Thermilate paint on two that we have refurbished, so that condensation would not cause maintenance problems. The stuff works. I don't know how but the price of a tin of Thermilate is peanuts compared to the cost of continually redecorating, especially as it is still effective when painted over. You are welcome to use this email as an endorsement. Mildew is potentially hazardous to health, so I would like as many people as possible to find out how cheaply it can be eradicated in many cases. Best Regards, Simon C. Eastbourne

## Mick M

"Everything that was said about Thermilate insulating paint was indeed correct. I have found out that the product saved me up to 60% on my heating bills. Also the internal painted walls did indeed stop heat transfer to the outside. I would indeed recommend your product to anyone. Best regards, Mick M"

## Helen F M

"Hi. I am very happy with Thermilate energy-saving paint, it has made my large kitchen in my very old house much warmer, and you can really feel the difference. Well worth using if you want to save money on heating. I have every intention of using it on every wall which faces the outside to further reduce my heating costs. I would thoroughly recommend your product to others and have already. Regards, Helen F M"

## Catherine

"We followed your advice and found no issues with painting InsOfloor Thermal Floor Primer onto a bitumen floor, no bleed through was seen. The results were quite outstanding when comparing a non painted section to a painted section. Thank you for your help. Regards, Catherine."

## Mr L T

"I used the Thermilate insulating paint internally but only on outside walls of a house where it would have been expensive and difficult to do any other insulation. There is a noticeable difference to the touch of the temperature of the wall and on one particularly cold wall it stopped a draft coming down the wall. Having said this it is hard to put any numbers to the temperature of the rooms where it has been applied or to any saving in money but I would say that the rooms are more comfortable and I have been showing the product off to friends. Regards, Mr L T."



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