

BeckryTherm

Heat regulation coatings



Make your projects COOL!



BeckryTherm's 3 actions



Lowering the temperature

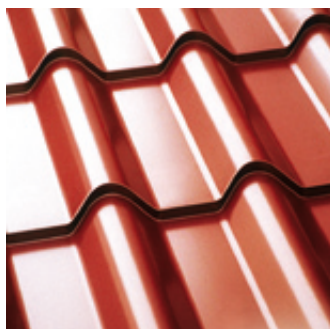
Today everybody wants dark colours but they are the most sun's energy absorbing. By using BeckryTherm you will be able to reduce heat absorption on cladding and thus reduce indoor temperatures by 5°C to 10°C making the interior more comfortable in the summer.

**When used on a dry, non-insulated covering.*



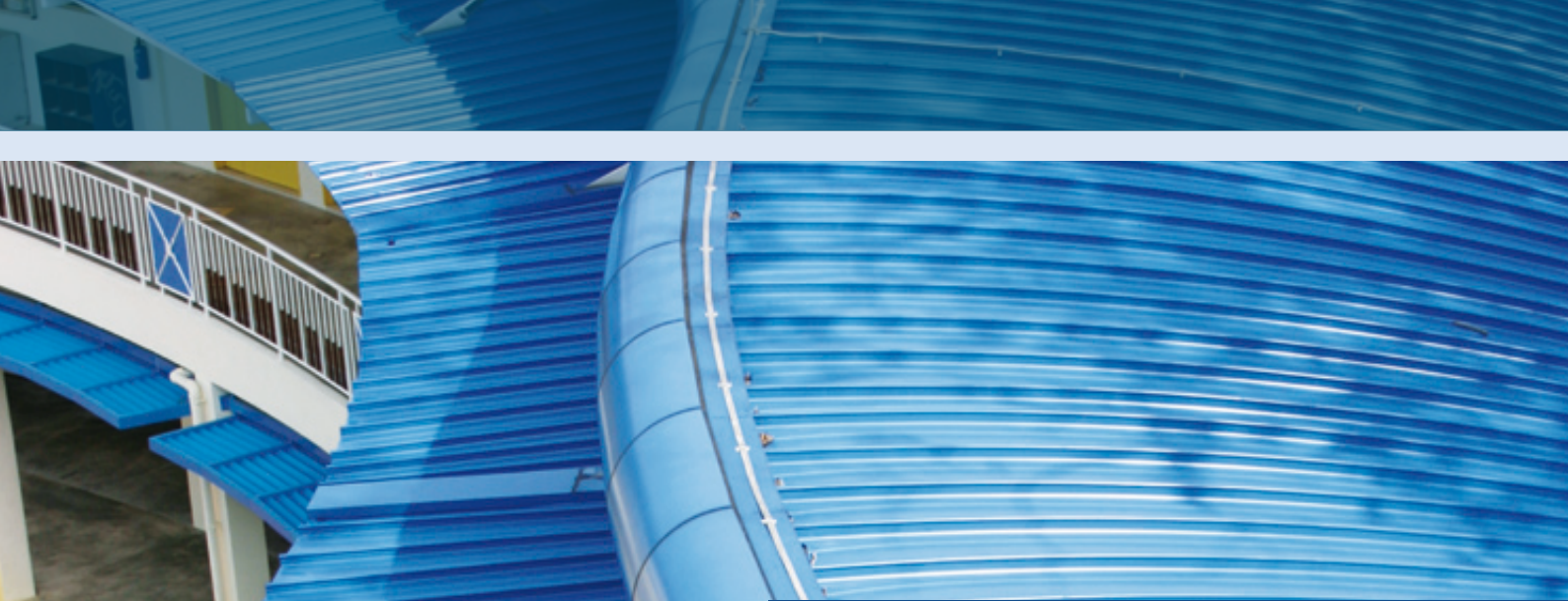
Reducing energy consumption

By optimising energy reflection properties from the solar spectrum, BeckryTherm reduces air-conditioning consumption when used in construction (cladding, roofing...) and reduces the carbon footprint, providing an economical and ecological solution.



Providing material durability

By maintaining a lower surface temperature of buildings, BeckryTherm reduces thermal tension in the metal, thereby increasing durability of the structure.



Proof in figures

Lab tests prove the efficiency of BeckryTherm: Surface temperatures (80°C) are reached by adjusting the distance between an infra red light and a panel coated with traditional paint. The surface temperature of the panel coated with BeckryTherm is then measured using the same criteria.



Appareillage utilisé pour effectuer les mesures.

Here are the results:

SHADE	Surface temperature	
	without BeckryTherm	with BeckryTherm
Dark green	80°C	71°C
Grey	80°C	73°C
Red	80°C	72°C

BeckryTherm coatings reduce the temperature by about 10°C!

Total Solar Reflectance (TSR) of the BeckryTherm range of shades compared with the standard range

RAL 9005 Black TSR: 38% • Std: 5%	RAL 7035 Light Grey TSR: 65% • Std: 41%	RAL 7022 Umbr TSR: 32% • Std: 18%	RAL 7015 Dark Grey TSR: 44% • Std: 9%	RAL 7010 Quartz Grey TSR: 37% • Std: 12%	RAL 6029 Mid Green TSR: 27% • Std: 20%	RAL 6011 Light Green TSR: 35% • Std: 21%	RAL 6005 Winter Green TSR: 32% • Std: 11%
RAL 5017 Sea Blue TSR: 36% • Std: 28%	RAL 5009 Azure Blue TSR: 33% • Std: 13%	RAL 5008 Slate Blue TSR: 32% • Std: 18%	RAL 8012 Red Brown TSR: 33% • Std: 23%	RAL 8004 Terracotta TSR: 40% • Std: 33%	RAL 3011 Wine Red TSR: 42% • Std: 26%	RAL 1015 Cream TSR: 56% • Std: 45%	RAL 1006 Gold TSR: 52% • Std: 44%

Solar Reflectance is expressed as the fraction of the incident solar energy which is reflected by the surface in the three areas of the solar spectrum (Ultra violet, visible and infra red). For example: 100% TSR means the product reflects 100% of the incident solar energy in each area of the solar spectrum.

Measurement conditions: this data is an indication calculated with shades close to RAL shades. The TSR data given is that of a complete BeckryTherm system: 15 microns chrome free white base coat specifically developed for this application + 20 microns Very High Durability BeckryTherm top coat 2001 on galvanized steel.

They have tried and tested our BeckryTherm solution

BIOMETAL: Cold wire drawing

« The main reason we chose BeckryTherm coatings is its innovative feature. Over 90% of our roofs are corrugated metal and we are permanently fighting against the effects of the sun and solar radiation. The BeckryTherm solution has enabled us to not only improve comfort for the occupants but also to save them money whilst respecting the environment. »

ADVANTOP: Manufacture of composite materials, veranda panels...

« BeckryTherm has become an essential quality element in the sale of our THERMOTOP veranda panels by stabilizing the darker coloured paint applications. It has enabled us to reduce misshaping in the darker panels which is caused by sharp temperature increases from the heat of the sun. »



Sylvain BERTHIAS
Regional sales Director



Stéphane POISSON
Sales Director

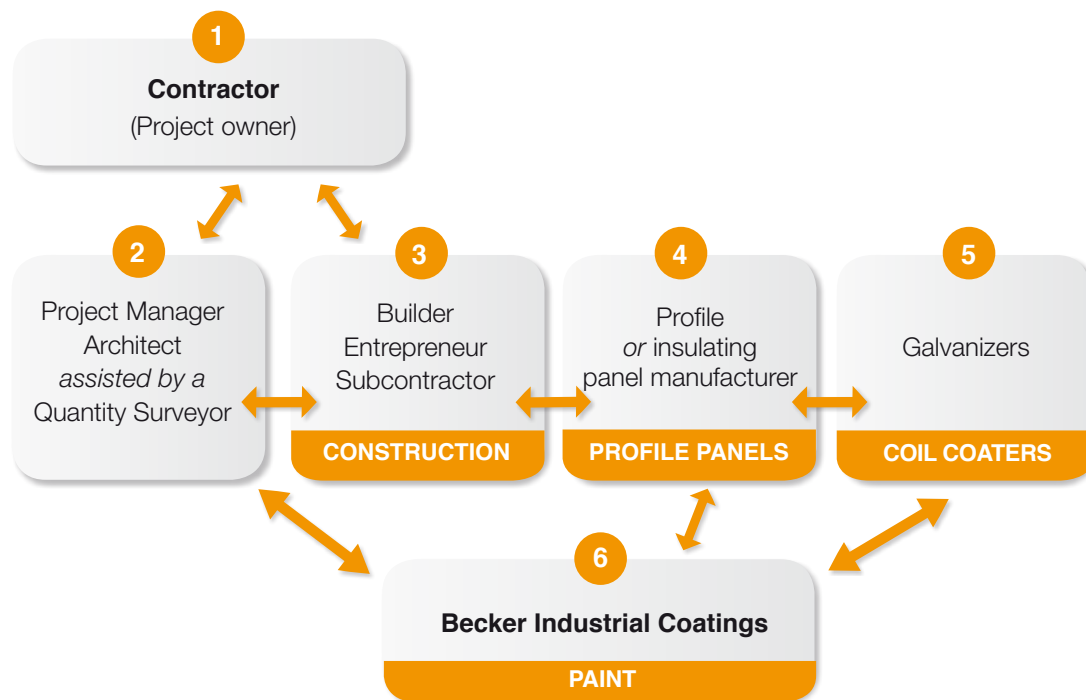


Did you know?

BeckryTherm can also be used on livestock barns, roller blinds, roof tiles...



Who would **specify** BeckryTherm paint?



- 1 The **Contractor** has a building project.
- 2 He contacts the **Project Manager** or **Architect** who is assisted by a **Quantity Surveyor** and asks him to do the drawings.
- 3 The Quantity Surveyor then puts each sector out to tender to a **construction company, entrepreneur** or **craftsman**. Following discussions the Project Manager or Architect sign off the drawings and choose colours for the building and the form of panels. Once the decision has been made the Project Manager, or Architect coordinates the work.
- 4 The subcontractor will order profiles or panels from the **manufacturer**.
- 5 The profile or insulating **panel manufacturer** who fabricates the steel or aluminium coil places an order with the **coil coater** who's job is to apply paint to the steel or aluminium coil.
- 6 **Becker Industrial Coatings** supply either the profile manufacturer or the coil coater with the BeckryTherm paint chosen by the Architect.

The Contractor, the Architect, the Quantity Surveyor, the profile or insulating panel manufacturer and the coil coater **may all recommend using BeckryTherm coating!**

For more information: www.beckrytherm.com

BeckryTherm



Who can think about saving energy yet at the same time provide you with a ready made, good looking thermal solution?

Architects are now equipped to manage energy in buildings.

The aesthetic, thermal and economical qualities of **BeckryTherm** coatings make thermocoated roofs, cladding, doors and shutters weather durable.

Discover the solution which will not only improve heat regulation and reduce air conditioning costs and fossil fuel consumption but also **add colour** and **an original design** to the landscape.



Who are we ?

Becker Industrial Coatings is a pioneer in the industrial liquid paint field and is not only leader but also a point of reference in the industry.

Becker Industrial Coatings has approximately 20 sites throughout the world. They gained their leading status in the industry through their innovative paint for coil coating.

BeckryTherm is living proof!



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Beyond The Surface

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