

# ClimateCoating®

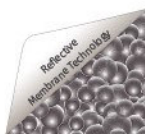
Reflective Membrane Technology

## Clever colour coating

Intelligent functional coatings  
with added value



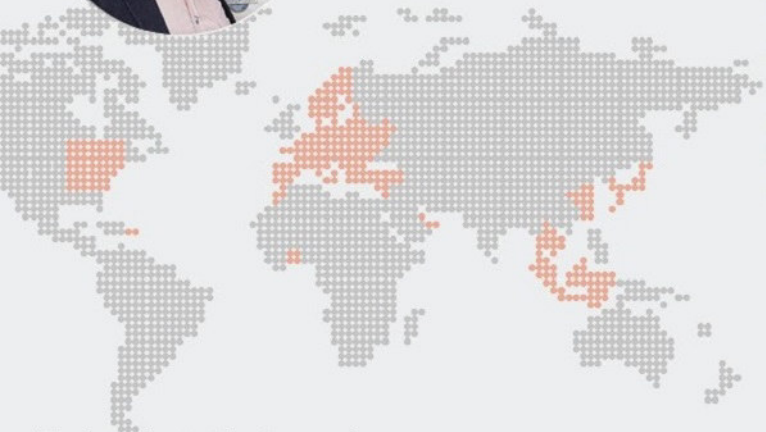
For buildings, interiors and industrial applications.  
Environmentally friendly. Powerful. Effective.





„Protecting building materials sustainably, noticeably reducing energy consumption, increasing home values in the long term and protecting the environment. That is our promise to our customers.“

Waldemar Walczok, Managing Director



## Technology that convinces

*ClimateCoating*® products help to save material, energy and labour resources in a physical way. Thanks to the unique reflective membrane technology, building materials are sustainably protected, values are preserved for future generations and the environment is protected. Whether to prevent mold in damp rooms such as bathrooms, basements and kitchens, for long-term algae-free facades or to protect roofs from heating up – *ClimateCoating*® coatings help solve problems and convince customers worldwide.

## Products

*ClimateCoating*® products offer practical solutions to problems. Mould on walls, algae growth, brittle and dirty facades are effectively combated or prevented. The entry of moisture through driving rain is reduced or avoided. The heating of roofs, interiors, containers or tanks is significantly reduced.

**The environmental plus:** All *ClimateCoating*® products are water-based and solvent-free. All main products carry the “Greenguard” certificate in gold. The products and their application has received several awards worldwide.



**GERMAN  
INNO  
VATION  
AWARD '18  
WINNER**



# ThermoProtect

Long-lasting facade protection with energy-saving effect

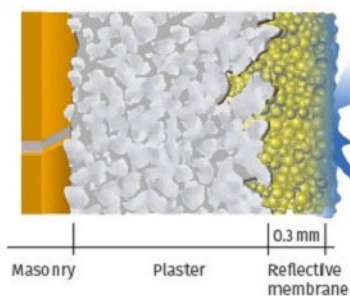


Facades – beautiful, algae-free and intact even after many years.

The ready-to-use facade coating protects against weathering, algae, moss and fungal growth and improves the year-round energy balance of the building. *ThermoProtect* is a facade paint and high-quality dispersion that keeps the facade dry, regulates moisture and temperature and is exceptionally robust and durable.

*ThermoProtect* reduces the formation of algae and lowers energy consumption. The unique synthesis of a polyacrylate dispersion with ceramic hollow spheres and activators creates a reflective membrane after application, which ensures an above-average long intact, dry and weathering-free facade.

## Weather resistant



long-lasting  
UV resistant



power  
consumption  
reducing



variable  
diffusion

## Further Highlights of ThermoProtect:

- improves the energy balance of the building
- extends renovation intervals
- robust against acids, alkalis, ozone, nitrogen and sulphur oxides
- stain-resistant and non-brittle



for outdoors



paint roller,  
brush, airless  
spraying

Take a look at the project successes, e.g. Apartment blocks in Botkyrka.  
[www.climatecoating.com/en/products/thermoprotect](http://www.climatecoating.com/en/products/thermoprotect)



# History

Value-preserving facade protection  
with gentle dehumidification

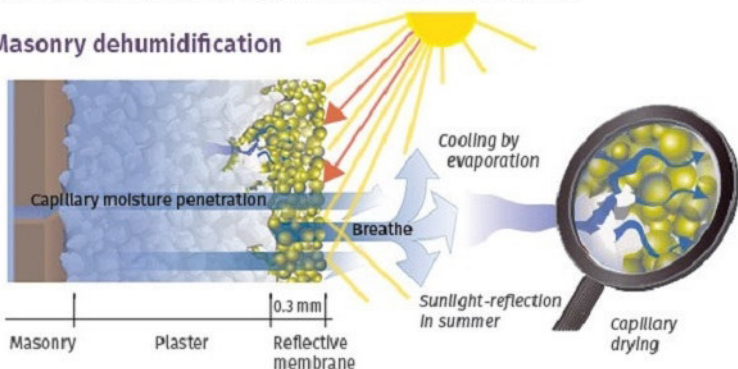
valuable appearance, stable color shades,  
healthy facade = long-term protection.



Gentle capillary drying and balancing moisture management characterize the facade coating *History* for listed building facades. In addition, *History* efficiently prevents the renewed entry of moisture – in a completely natural, physical way.

Almost every mineral substrate in old buildings is contaminated with water and salt. This explains the requirement of monument protection for an optimal capillary and diffusion-open coating, which should absolutely prevent salt and moisture accumulation and also withstand all modern environmental stresses.

## Masonry dehumidification



## Highlights of History:

- cloth matt drying
- gentle capillary drying
- prevents moisture-related cracking (swelling and shrinkage cracks)
- high shade stability
- robust against acids, alkalis, ozone, nitrogen and sulphur oxides
- dirt-repellent
- equilibrium moisture management



moisture-  
regulating

Our product experts will be happy to answer your questions.  
[www.climatecoating.com/en/products/history](http://www.climatecoating.com/en/products/history)

# StuccoTex

The ultimate textured lightweight plaster that reduces thermal stresses



Light and elastic. The first textured plaster that can be bent.

With  $0.85 \text{ kg/dm}^3$  in dry matter, the *StuccoTex* textured plaster is so light that it does not affect the static conditions of the facade. Thermal stresses are reduced because *StuccoTex* is highly elastic. This means that it can also be used on demanding substrates such as wood. You can virtually bend this light plaster!

## Coarse or fine grain – you have the choice

The textured light plaster is available with a grain thickness of approx. 1.0 mm (*StuccoTex 80*) and with a grain thickness of approx. 2.0 to 2.8 mm (*StuccoTex 280*).

While the fine grain is sprayed, the coarse grain can either be sprayed or applied with a trowel and drawn off to grain thickness. Attention: The light plaster is not rubbed!

## Highlights of StuccoTex:

- $0.85 \text{ kg/dm}^3$  light and elastic
- due to light dry matter no influence on static conditions
- can also be applied to difficult substrates
- preventive against lichen growth, algae, moss and fungal attack

With  $1.5 \text{ kg/m}^2$  very productive in the application.

Passes any freeze-thaw cycling test at temperatures from  $-30^\circ \text{C}$  to  $+80^\circ \text{C}$ .



for outdoors



application:  
trowel, airless  
spraying



variable  
diffusion



weather  
resistant



water-  
dilutable

# Nature

Coloured and weather resistant wood preservative

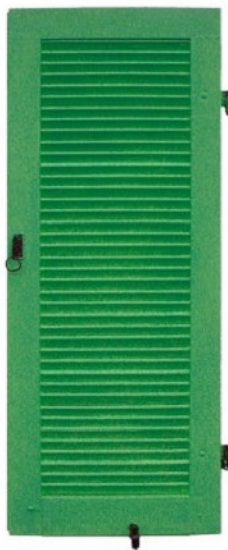


Innovative wood protection  
that lasts and lasts and lasts ...

The products of *Nature* series are high-tech coatings for all limited dimensionally stable and not dimensionally stable wooden components in the exterior area, for example tongue and groove boards, half-timbering, shutters, gates as well as balcony balustrades, pergolas and fences.

**Highly weather resistant and with lasting elasticity, *Nature* is the perfect wood protection for years!**

While *Nature* is available as an opaque coating (matt) in many colour shades, a limited colour spectrum is available with the thick-film *NatureGlaze*. The ready-to-use primer *NaturePrimer* rounds off the product ensemble.



## Highlights of Nature:

- reduces moisture-related cracking (swelling and shrinkage cracks)
- does not become brittle – no flaking of paint
- reduces the formation of algae, mosses, fungi and decay
- Even in a dark painted wooden bungalow it remains pleasantly tempered in summer, thanks to the high sunlight reflectance of the coating.



weather  
resistant



water-based



long-lasting  
UV resistant



paint roller,  
brush, airless  
spraying



# PU Safe

The efficient protective coating for PU foam



Easy to use plus long-term effect.

*PU Safe Coating* is a sealant coating for application on polyurethane foam as a protective coating for window and door installation. Simply and quickly applied, it forms a waterproof, flexible and protective membrane exactly where different materials meet. The variable diffusion openness of *PU Safe Coating* makes it possible to use it both indoors and outdoors.

*PU Safe Coating* forms a flexible membrane. The good thing about it is that the vapour tightness of the membrane-forming coating is variable. It adapts to the ambient conditions in such a way that it blocks or lets through – depending on the vapour pressure gradient.

The *PU Safe Filler* closes the pores in the PU foam and creates a homogeneous surface for further processing with *PU Safe Coating*.



indoors/  
outdoors



variable  
diffusion



weather  
resistent



water-based

## Highlights of PU Safe:

- powerful and effective
- save time and money
- good adhesion, stretchy
- non-brittle, UV-stable
- free from organic solvents
- environmentally friendly

You can find the product brochure at  
[www.climatecoating.com/en/products/pu-safe-coating](http://www.climatecoating.com/en/products/pu-safe-coating)



# ThermoActive

Reflective roof coating with excellent cooling performance



Measured temperature reductions:  
between 24°C and 33°C cooler roofs.

*ThermoActive* is the climatizing roof coating. It makes for cool rooms under a hot sun. *ThermoActive* extends the service life of the roof structure and reduces the temperatures inside the building.

This saves resources for the maintenance of the roof and reduces the energy consumption of the air conditioning systems.

The innovative formulation and high quality raw materials ensure that a flexible and reflective membrane **with excellent properties** is formed after application of the coating:

- ✓ long-term material resistance
- ✓ above average elasticity and robustness
- ✓ long lasting UV-stable
- ✓ watertightness/rainproofness
- ✓ temperature resistance from -40 to +150°C



Less energy consumption for cooling = reduction of CO<sub>2</sub> emissions = active contribution to climate protection.

## The highlight of ThermoActive:

- Sunlight reflective to over 91%  
(Read more in the product brochure!)

## Practical example, Malaysia

Temperature reduction of more than 20 degrees Celsius through ceramic coating with simultaneous protection against water, corrosion and the effects of chemicals.

Temperature °C	before	after	Temperature reduction by
Roof Outside	64.7°	40.0°	24.7° ↓
Roof Inside	57.1°	37.8°	19.3° ↓

See the product brochure with the practical example at [www.climatecoating.com/en/products/thermoactive](http://www.climatecoating.com/en/products/thermoactive)





# IndustrySpecial

Versatile coating in the industry



Palm oil tanks: protection from the weather on the outside and temperature-stabilizing effect on the inside.

*IndustrySpecial* is a resistant protective coating with a temperature resistance from  $-40^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$ .

The wide range of applications for *IndustrySpecial* starts with simple silo tank coating for temperature stabilization and continues with protection against moisture and condensation, anti-electrostatic and shielding, heat and sound insulation, surface enlargement and light reflection. *IndustrySpecial* is a true multi-talent!

## Highlights of IndustrySpecial:

- reduces energy expenditure for heating or cooling
- long-lasting UV-resistance
- robust against acids, alkalis, ozone, nitrogen and sulphur oxides

**Coated so far:**  
tanks, silos, piping and rods, containers and metal boxes, hall cladding and marquee, flexible plastic surfaces



for outdoors



paint roller,  
brush, airless  
spraying



long-lasting  
UV resistant



temperature  
resistant



water-based



very low  
in VOCs

*SpecialSolution:* There are challenges that do not fit into any category? Or it is about special parameters, properties or effects, such as acoustics, material flexibility or catalysis? No matter what problem you are looking for a solution for, just contact us.



Long-life protection



Energy saving

Outside and inside:  
Window seal

Inside: Walls and ceilings

Thermo-  
ProtectThermo-  
ActiveThermo-  
PlusThermo-  
Vital

Lumen

PU safe  
CoatingPU safe  
FillerNature/  
Nature-  
GlazeNature-  
Primer

Roofs

Outside: Wood protection

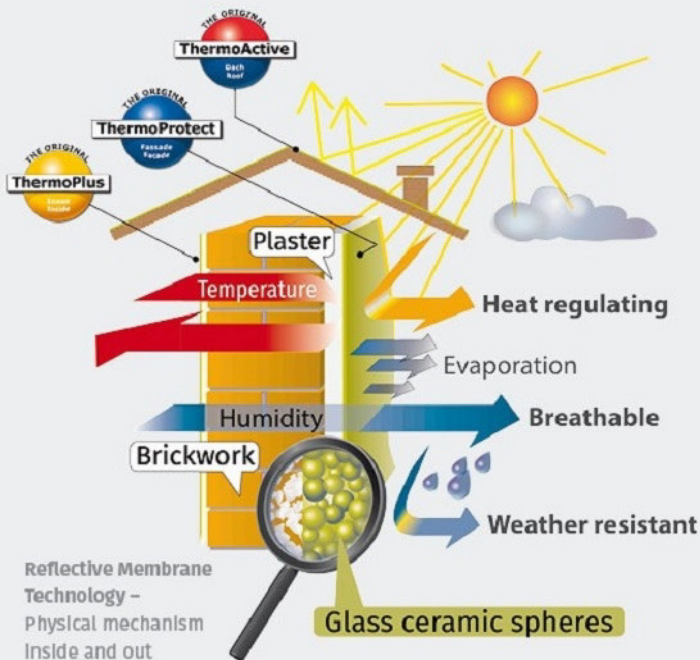
Outside: Walls and ceilings

Outside: Industry Special

Areas of application	Outside: Facades		Roofs	Outside: Wood protection		Outside and inside: Window seal		Inside: Walls and ceilings			Outside: Industry Special
	Thermo-Protect	History	StuccoTex 80 / 280	Thermo-Active	Nature/ Nature- Glaze	Nature- Primer	PU safe Coating	PU safe Filler	Thermo- Plus	Lumen	Thermo- Vital
Container sizes (l)	19.00	19.00	15.00 kg	19.00	19.00	19.00	2.80	300 ml	19.00	19.00	19.00
	12.50	12.50	12.50	12.50	5.00 (only Nature)	5.00	1.00		12.50	12.50	12.50
	5.00	5.00	5.00	5.00	2.50/0.75	2.50			5.00	5.00	5.00
Ø Consumption (ml/m <sup>2</sup> ) with two applications	330	330	1.5 kg/m <sup>2</sup>	600 (with embed. material approx. 1.000)	Nature: 330 / Nature-Glaze: 220	150 (with a single coat)	600 m <sup>2</sup>	n. s.	330	330	330

Additional products (FixPlus, RustPrimer, ZincPrimer, GlossPlus, Sanosil 003, Sanosil 010) can be found on the website [www.climatecoating.com](http://www.climatecoating.com)

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## Reflective Membrane Technology

The secret lies in the specially developed glass ceramic hollow bodies, which enclose a vacuum. We have combined these tiny spheres with an extremely adhesive, specially developed dispersion and selected activators. After application, the coating forms a so-called reflective membrane.

The effect and the advantages of the coating are based on these processes of building physics: Reflection, directed evaporation and anti-electrostatic. The extraordinary material resistance makes the coatings robust, adaptable and very durable.

Long-life protection • Prolonged intervals between renovations  
 • Comfort and well-being • Energy saving • Lower cost for air conditioning of the building • Environmental friendliness

### Benefits

## Areas of application

Facades, roofs, interiors, wooden components as well as containers and tanks are the classic fields of application for *ClimateCoating®* products. Whether in the cool north, the hot south or the humid east, the physical active principles of the coatings play their trump cards in almost every climate zone.



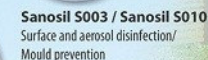
# ClimateCoating®

Reflective Membrane Technology

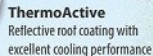
Intelligent coatings with added value.  
For buildings, interiors and  
industrial applications.



**ThermoVital – Inside Coating**  
Innovative protection against mould



**Sanosil S003 / Sanosil S010**  
Surface and aerosol disinfection/  
Mould prevention



**ThermoActive**  
Reflective roof coating with  
excellent cooling performance



**FixPlus – Primer**  
Primer concentrate to adjust  
the absorbency of mineral substrates



**GlossPlus – Finish**  
Clear and glossy protective  
coating with UV blocker



**IndustrySpecial**  
Versatile coating in industry



**StuccoPrimer**  
Ready-to-use adhesion  
agent for StuccoTex



**StuccoTex –**  
Lightweight structure  
that reduces the





climatecoating.com



### ZincPrimer

Ready-to-use adhesion agent  
for non-ferrous metals



### ThermoProtect

Long-lasting facade protection  
with energy-saving property




### History – Monument

Value-preserving facade protection  
with gentle dehumidification





### PU SAFE

Efficient protective coating for PU-foam



### Nature – Wood Protection

Coloured and weather-resistant  
wood protection



### ThermoPlus – Inside Coating

Ideal room climate and wide range of colours

### Lumen – Inside Coating

Excellent light reflection



### RustPrimer

Ready-to-use anticorrosion primer for ferrous metals

Light plaster  
structural plaster  
thermal stresses

# ThermoPlus

Ideal room climate and wide range of colours



Projekt Moonflower, Italy.

In addition to a huge range of colours, *ThermoPlus* offers properties that **regulate the indoor climate and improve living comfort**. This has a positive effect on temperature and humidity. The interior wall paint *ThermoPlus* leaves nothing to be desired for creative colour design and also scores points for its environmental and health compatibility.



## Highlights of ThermoPlus:

- creates a pleasant indoor climate at any time of the year
- dirt and nicotine repellent
- Extends renovation intervals
- helps to save energy
- very large colour variety
- water-based, easy to apply

Better heat distribution and indoor climate for living comfort in every season – thank to specially developed vacuumized glass ceramic spheres.



High-quality raw materials and pigments.  
Excellent lightfastness.  
No fading, yellowing or chalking.

The walls in the hallway and living room, in the office or in the restaurant remain radiantly beautiful for a very long time.



for indoors



> 100,000  
colour shades



power  
consumption  
reducing



thermally  
comfortable  
in summer



very low  
VOC



paint roller,  
brush, airless  
spraying

Get in touch for advice.  
[www.climatecoating.com/en/products/thermoplus](http://www.climatecoating.com/en/products/thermoplus)



# Lumen

Excellent light reflection

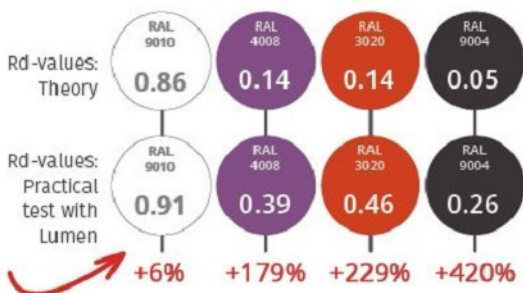


Ideal for offices, schools, museums and underground garages, subways, factory halls.

Lumen is the light amplifier for indoors. The highly effective coating ensures a better brightness balance and a stronger light output in rooms, even with dark shades. The acoustics are positively influenced.

## Light amplifier for indoor

Independent research shows that the actual measured diffuse reflectance value of lumens at each shade is significantly higher than the standard values used in professional lighting calculation programs, such as Dialux. Millions of tiny glass ceramic hollow spheres improve the diffuse reflectance from 6% for white and up to 420% for black. Architects and designers can now also use dark shades and nuances more creatively. Lumen literally adds light and colour to contemporary interiors.



In April 2016, the Dutch company Meutzner Light Vision carried out several measurements regarding diffuse reflection values (Rd), inter alia the light spectrum.

## Highlights of Lumen:

- better brightness balance in the room, even with dark colours
- diffuse light reflection



diffuse light reflection

Take a look at the online product brochure at [www.climatecoating.com/en/products/lumen](http://www.climatecoating.com/en/products/lumen)



# ThermoVital

Innovative protection  
against mould



Dry, mould-free walls support room hygiene.

No chance for mould! *ThermoVital* is the physically effective long-term protection that ensures room hygiene and healthy living. Whether for rooms with increased humidity such as bathrooms, kitchens and cellars or for production and storage halls, for example in the food industry, *ThermoVital* provides long-term protection against the formation of mould on walls. The special paint regulates humidity and reduces the negative effects of thermal bridges.

## Physical effect – great benefit

The unique dispersion physically promotes the drying of the walls to the building equilibrium humidity and regulates the humidity in the room. You can find out how this works on our website.

## Highlights of ThermoVital:

- prevention on a physical basis
- improves the room hygiene and the room climate
- long-term effective
- reduces negative effects of thermal bridges
- free from fungicides
- harmless to health



for indoors



stops  
mould fungi



moisture-  
regulating



very low  
VOC



odourless



water-based

## 1,2,3 ...mould free – The systematic mould removal

The Systematic mould removal succeeds in three steps and with the additional products for the removal of mould and mould spores.

Read more about the systematic mould removal:  
[www.climatecoating.com/en/products/thermovital](http://www.climatecoating.com/en/products/thermovital)



SICC Coatings GmbH from Berlin is the leading specialist supplier of climate-active coatings with the longest experience in all climate zones and application areas. The functional coatings are based on the reflective membrane technology. For the energy-saving effect of the technology, SICC Coatings was awarded the „German Innovation Award“ in 2018 as well as the „Energy Efficiency Award“ in Singapore, among others. SICC Coatings is certified in quality and environmental management according to DIN EN ISO 9001:2015 and 14001:2015.

We help you when it comes to coatings.



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