

# ClimateCoating®

Reflective Membrane Technology

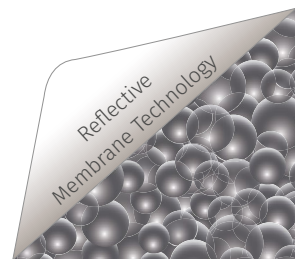


## Lumen

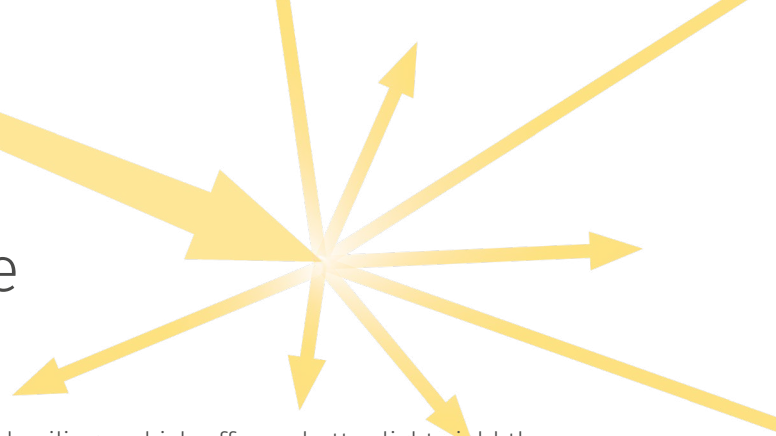
The light amplifier for indoor use



GERMAN  
**INNOVATION  
AWARD '18  
WINNER**



# Lumen – the light amplifier for indoor use



*Lumen* is a highly effective coating for interior walls and ceilings, which offers a better light yield than conventional paints, and that even with dark colours! Differences in contrast are softened and the balance of light distribution is supported. By significantly increasing the diffuse light reflection, the coating provides a better room illumination.

*Lumen* provides a better brightness balance and stronger luminous efficacy in rooms, even with dark colours.

Independent studies show that the actual measured diffuse reflection value of *Lumen* at each colour shade is significantly higher than the default values used in professional lighting calculation programs such as Dialux. Millions of tiny glass ceramic hollow spheres improve the diffuse reflection value of 6%

for the colour white and up to 420% for the colour black.

Architects and designers can now use dark colours and nuances more creatively. *Lumen* literally gives light and colour to contemporary interiors.



- *greater lighting comfort*
- *more well-being*
- *less energy consumption*
- *conservation of resources*



*Lumen* combines highest functionality, innovation and colour variety.



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



Image and value, above: ThermoShield-Benelux BV

## Field of application, characteristics and processing

Lumen is used where particularly good luminous efficacy is required. The durable coating is ideal for underground garages and subways, factory halls and offices, schools, studios as well as workshops and museums. And of course, also for the home.



### INNOVATIVE

- ultra-high light reflection
- best light diffusion even with dark colours

The reflective membrane of Lumen is:

- variable diffusion open
- moisture-regulating
- dirt and nicotine repelling
- improving indoor climate



### ENVIRONMENTALLY FRIENDLY

- water-based
- odourless
- very low VOC value
- free from aromatic compounds
- without organic solvents



### DECORATIVE

- for indoor
- matt
- well covering
- over 100,000 colour shades to choose from
- very high colour stability



### CONTAINER SIZES PROCESSING

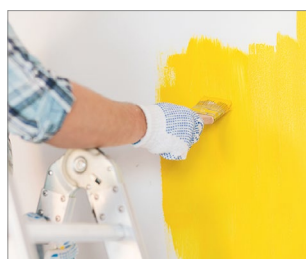
- ready-to-use dispersion
- 5,0 / 12,5 / 19,0 litres in oval bucket
- consumption (depending on substrate) approx. 330 ml/sqm with 2 coats of paint
- easy application by brush, roller or spray method
- utilized tools are to be cleaned with water

Lumen – the light amplifier for indoor use. We are happy to answer your questions regarding product and processing.

[www.climatecoating.com/en/products/lumen/](http://www.climatecoating.com/en/products/lumen/)



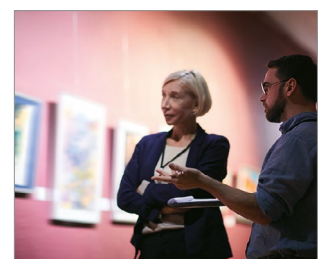
Select colour shades



Paint, roll, spray



Brighten up subways



Embellishing museum walls

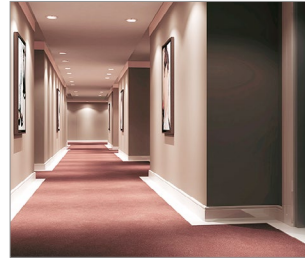
## More light output ...



... in underground car parks,



... in studio and atelier,



... in hotel and office,



... and at home.

*Are you looking for a paintable solution for indoors?  
Then please contact us. We would be pleased to provide you with our worldwide practical experience.*

**Application specialist:** Franziska Felsch  
**Marketing:** Detlef Steiert

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Authorised distributors:

*ClimateCoating® – Intelligent coatings with added value.  
For buildings, interiors and industrial applications.  
Environmentally friendly. Powerful. Effective.*

Made in Germany. Made for you.

**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.

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