

Climate coating - little effort, big effect

Heat protection in buildings is becoming increasingly important, even in our part of the world, and technical air conditioning is often not the best and certainly not the most sustainable solution, especially in existing buildings. A Berlin hospital shows how it is possible to keep the heat out and optimize humidity without technology and with little structural effort.



In this 1960s building with full southern exposure, there have been complaints about excessive heat every summer for years.

From the second floor upwards, the trees no longer provide protection from the sun and the ward there was regularly far too hot in summer.

This was equally problematic for the people working there and the patients and therefore a problem that urgently needed to be solved.

For this reason, the technical management decided to have the entire interior of the ward painted with *ClimateCoating*. As the ward was due to be relocated in-house, the empty rooms and corridors could be painted in one go.

The water-based emulsion paint is solvent-free and classified as particularly low-emission with the highest level of the Green Guard label. This meant that nothing stood in the way of its use in patient rooms.

The paint is not only visually appealing and can be mixed in a variety of colors, but also acts as a physical thermal barrier and moisture management layer.

The following happens due to reflection effects and the ability to absorb moisture:

- Incoming heat remains in the wall and ceiling, the heat gradient is slowed down
- High humidity is absorbed and evaporative cooling occurs when it is released

The effect was clear and was confirmed many times by the staff: Not too hot and a much more pleasant room climate. And patients did not have a single complaint about the heat throughout the summer of 2025.

Would you also like to solve heat or humidity problems in your building? As an independent specialist in energy-neutral climate control materials, we will be happy to advise you and find a tailor-made solution for you.

