

TECHNICAL DATA SHEET **OptiMal Air**

Product Description

OptiMal Air is a ready-to-use inner coating for mold prevention based on reflective membrane technology.

Ingredients

Polyacrylate - dispersion, titanium dioxide, kaolin, calcium carbonate, silicates, water, propylene glycol, cellulose, preservatives

Product Group / GIS Code

BSW20

OptiMal Air is a functional interior coating for typical hotel rooms. The system regulates short-term humidity peaks through capillary storage and delayed release, thereby stabilizing indoor humidity and reducing the risk of condensation and mold growth. The optimized surface temperature supports both heat and cold protection and improves thermal sensitivity. Overall, OptiMal Air contributes to a balanced, hygienically safe and comfortable indoor climate in hotel rooms and bathrooms.

Scope of application

Variably permeable to diffusion, free of outgassing and solvents, reflective, high colour fastness, elastic, thermally reassuring, moisture-regulating on sorption/diffusion-capable substrates.

Product-specific properties

Variably permeable to diffusion, free of outgassing and solvents, reflective, high colour fastness, elastic, thermally reassuring, moisture-regulating on sorption/diffusion-capable substrates.

Material characteristics

sd values according to DIN 52615

Drying range: sd = 1.7

Wet area: sd = 0.02

Density: 1.20 kg/dm³ according to ISO 2811-1

Reaction to fire: B-s1, d0

Chemical resistance: on request

Gloss level: 0.4 according to DIN ISO 2813

Wet abrasion resistance: Class 3 according to DIN-EN 13300

Contrast ratio - opacity: Class 1 according to DIN-EN 13300

VOC Regulation (EC)

Limit value from 01.01.2010 for matt coating materials (product cat. a) for interior walls and ceilings = 30 g/l. This product contains < 3 g/l of VOC.

Processing instructions

OptiMal Air can be applied to all load-bearing, clean, dry, rust-free and grease-free substrates such as new and old plasters, wallpaper and intact old paints. To ensure energetic properties, a diffusion-open substrate must be ensured.

Substrate preparation

Plastics:

check for placement of detention

Metals:

Depending on the metal and stress, base coating with ClimateCoating® RustPrimer or ClimateCoating® ZincPrimer

Non-load-bearing old coatings:

Depending on the coating material, wash, strip or remove with high-pressure or superheated steam cleaners

Substrates that interfere with adhesion:

Washing, lying, sanding

Absorbent mineral substrates:

priming with ClimateCoating® FixPlus

Processing

Processing can be carried out by spreading, rolling or spraying. For an initial coat, two coats of paint are necessary. OptiMal Air is set up ready for processing. If sprayers are used, the guidelines of the device manufacturer must be observed. For very rough surfaces or when using spray rods, the processing consistency can be adjusted with a little water. During processing, care must be taken to ensure that the air and object temperature is not below 5°C. This also applies to the entire drying period. Before use and after longer work interruptions, the material must be stirred briefly with a motor whisk.

The drying time between each coating cycle is 6 hours.

Consumption

The consumption of OptiMal Air is approx. 330 ml/m² for a double coat on smooth, non-absorbent surfaces.

The consumption quantities depend on the structure and absorbency of the substrate and, if necessary, can be determined by a test coat. In order to optimise energy efficiency in summer thermal insulation, higher layer thicknesses are necessary depending on the climate and subsoil.

Cleaning the tools

Rinse rollers, brushes and sprayers thoroughly with water immediately after use.

Shades

OptiMal Air can be tinted in the NCS, RAL and ClimateCoating® Edition 1 colour systems.

Before processing, the colour must be checked.

Storage and transport

OptiMal Air store and transport in a cool, but frost-free place. Close the opening containers well and process them as soon as possible. Can be stored from the date of manufacture: 12 months.

Delivery form

5 L; 12.5 L; 19 L

Other container sizes on request.

Disposal

Do not allow product residues to get into the sewer system, water or soil.

Only empty containers should be recycled. Drop off product residues at the responsible collection points.

Waste code no. 080120 according to the EU Waste Register.

Safety instructions

The content of the technical data sheet does not constitute a contractual legal relationship.

In any case, the processor / buyer must check the usability of the material under practical conditions before application.

Do not allow to get into sewers, water or soil. Keep away from food, drinks and feed. Protect from access by children. Areas that are not to be treated must be protected by appropriate measures. Protect eyes and skin from splashes. Do not inhale the resulting spray mist when using the spray process.

With the publication of a new technical data sheet, due to the improvement of the product, the above information loses its validity.

The information provided was determined by SICC Coatings GmbH in the laboratory and practice as a guideline. The product information is provided to the best of our knowledge and corresponds to the current state of the art. Environmental influences, materials, application equipment and application techniques are beyond our influence and therefore beyond our responsibility. SICC©2026

