

ClimateCoating ThermoPlus

The ceramic filter

ClimateCoating ThermoPlus is a very effective finish for interior walls and ceilings. It has a major, positive influence on determining factors in our indoor climate such as temperature, moisture and acoustics. The GREENGUARD GOLD certified ceramic filter is ultra thin, robust and elastic and available in any color. ThermoPlus has a very matt appearance.



> Regulates temperature

The ceramic filter on the walls and ceiling reflects a substantial part of the heat, whereby temperature differences are equalized. As a result, a considerable part of the heat remains in the interior and that saves at least 10% on heating costs. The emissivity of a surface is the degree of heat emission. A traditional wall paint has an emissivity of 0.95, i.e. 95% of the heat is transferred to the wall (to the outside).

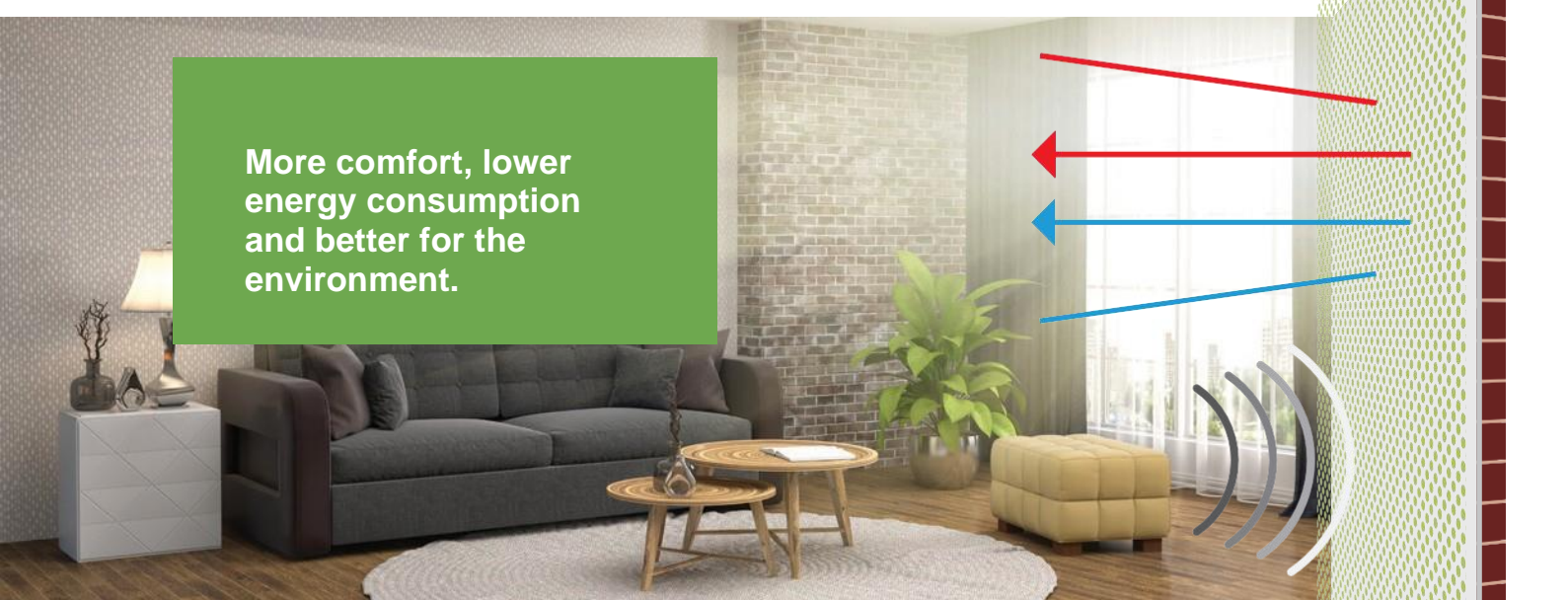
With an emissivity of 0.7, ThermoPlus is a so-called "low-emission" product: 70% of the non-reflected heat is passed on and 30% remains in the ceramic filter.

> Humidity control

The ceramic filter compensates for (too) high humidity by temporarily storing water vapor in the filter itself. When the humidity is lowered, for example through ventilation, ClimateCoating ThermoPlus returns the water vapor to the room. The filter regulates the relative humidity around 55%. This moisture-regulating effect minimizes possible condensation on the wall and improves comfort.

> Improving acoustics

ClimateCoating products have a positive effect on the room acoustics because of the ceramic filter. The microscopic spheres in the ceramic filter diffuse the reflection of the sound waves, reducing shrill, high tones and making everything you say "warmer". ThermoPlus can also be used for sound-absorbing materials such as suspended ceilings, subject to certain conditions.



More comfort, lower energy consumption and better for the environment.



The ceramic filter

In addition to ClimateCoating ThermoPlus, the ceramic filter for indoor use is also present in the products "Lumen" and "ThermoVital". The matrix below shows the ceramic filter properties in relation to different products.

Scope	ThermoPlus	Lumen	ThermoVital
Interior walls and ceilings in dry rooms	●	●	
Interior walls and ceilings in wet rooms			●
Properties			
Energy saving	●	●	●
Regulating moisture	●	●	●
Crack bridging	●	●	●
Increasing comfort	●	●	●
Fire retardant	●	●	●
Improving acoustics	●	●	●
Allergy avoiding	●	●	●
Anti-fungal			●
Improvement diffuse light-reflection		●	
Mat appearance	●	●	●
Waterbased	●	●	●
Available in any color	●	●	●



Easy to apply

ThermoPlus is easy to process. The structure of the ceramic filter is so fine that it looks like any wall paint. It can be applied with a fur roller or - for the professional - with a paint sprayer (airless or airmix); due to the low processing pressure, virtually no mist is produced.

ThermoPlus is suitable for almost all surfaces such as brick, plaster, concrete, wood, plastic, wallpaper, etc. for indoor applications. The ceramic filter has excellent coverage and dries quickly.

ThermoPlus does not charge statically. As a result, nicotine and dirt deposits are small and the little dirt that could adhere can easily be removed with lukewarm water and possibly some soap.

ThermoPlus is therefore ideal for homes, public spaces, hotels, restaurants, schools and hospitals. People with allergies can use ThermoPlus without any problem, because it contains no plasticizers and hardly any solvents; so no harmful fumes are released. In fact, the indoor climate is improved by the ceramic filter and that will only benefit the allergy patients.

The theoretical consumption of ThermoPlus is 1 liter on 6 m² per layer. To do justice to all the special properties of this ceramic filter, 2 layers should be applied.

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