

ClimateCoating ThermoActive

The ceramic filter

ClimateCoating ThermoActive is a very effective roof finish. It is applied on (slightly) sloping roofs (bitumen, EPDM, metal and roof tiles). It ensures a high sunlight reflection and blocks UV radiation. It has a major, positive effect on the temperature in our indoor climate. The GREENGUARD GOLD certified ceramic filter is ultra thin, robust and elastic and available in any color.



> Regulates temperature

The ClimateCoating ceramic filter has a high degree of sunlight reflecting so that buildings are not overheated. The sunlight reflection in a white version is no less than 91% and in most dark colors still more than 50%. Due to this sunlight reflection, the energy costs for the air conditioning can be significantly reduced, because what is not heated does not need to be cooled. In winter, ThermoActive ensures that the internal heat is not simply lost through the roof.

Long-term protection

ClimateCoating ThermoActive provides long-term protection against influences such as precipitation, smog, acids and salts. Thanks to the ceramic filter, ThermoActive does not become brittle and does not hardly age. Due to the lowering of the surface temperature, there are fewer large temperature fluctuations of the roof. This, in combination with the high UV blocking, ensures that the life of the roof is extended by at least 10 years. Apart from the above properties, the ceramic filter offers a fire-retardant and concrete corrosion-inhibiting effect. *ThermoActive is not recommended for roofs where puddles remain for a long time.*

Heat Island effect

Cities have their own climate, which is characterized by buildings and radiation. The temperature in the city is usually higher than in the rural area and this difference can be as much as 10°C. The temperature is influenced, among other things, by the thermal properties of the building materials and the radiation properties of the surfaces. ThermoActive reduces the radiation from (too) hot roofs and thus contributes to a reduction of the Heat Island effect.



Cooler in summer,
longer roof life and
better for the
environment.

The ceramic filter

The ceramic filter properties of ClimateCoating ThermoActive are shown in the matrix below.

Scope	ThermoActive
Roofs (Bitumen, roof tiles, EPDM, plastic and metal)	●
Properties	
Energy saving	●
Crack bridging	●
Increasing comfort	●
Fire retardant	●
Sunlight / heat reflection	●
UV-blocking / life-extending	●
Dirt, moss and algae resistant	●
Matte appearance	●
Anti-carbonation	●
Water-based	●
Available in all colors	●



Easy to apply

ThermoActive is easy to process. The structure of the ceramic filter is so fine that it looks like any roof 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.

ThermoActive is suitable for almost all surfaces such as bitumen, roof tiles, EPDM, plastic and metal. The ceramic filter has excellent coverage and dries quickly. A primer is required on some surfaces.

The theoretical consumption of ThermoActive is 1 liter on 4 m² per layer.

To do justice to all the special properties of this ceramic filter, 2 layers should be applied.



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