iQ INTELLIGENT TECHNOLOGY

StoColor X-black

Paint to illuminate the darkside

The phenomenon is a common one: dark colours attract heat when exposed to direct solar radiation because they absorb the impacting sunlight, while light surfaces reflect the majority of impacting energy.

The new StoColor X-black facade paint removes virtually all thermal limits when it comes to the colour design of buildings. Heated facades, crack formation or building element expansion - all possible consequences of high temperatures - can be a thing of the past. With our innovative NIR (near-infrared reflection) black pigments, the StoColor X-black heat-reflective facade paint is guaranteed to keep temperature peaks caused by solar radiation at below 70°C.

StoColor X-black

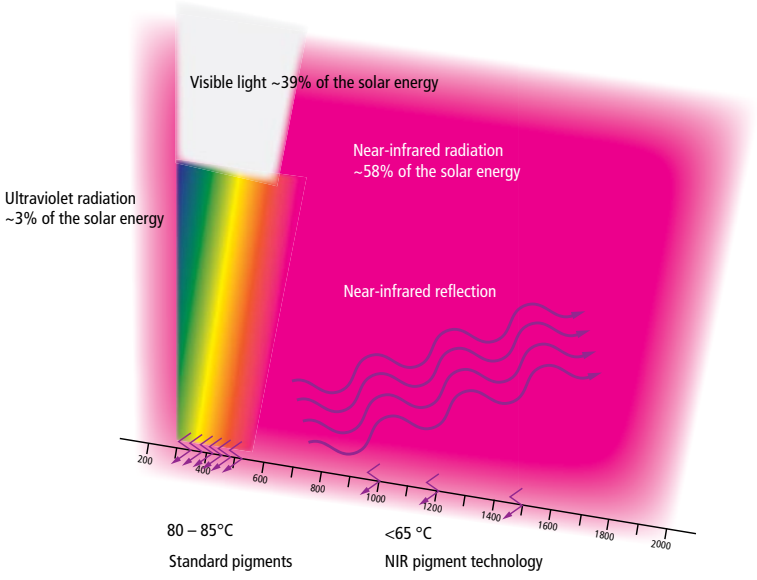
Limitless colour shade freedom and optimum protection

External wall and insulation systems keep building interiors comfortably cool in the summer. But the surface - especially when there is a combination of dark colour shades and solar radiation - can reach temperatures of more than 80°C, which can lead to cracking and distortion. A large proportion of solar energy is reflected in the invisible near-infrared spectrum. This is why standard market pigments have been replaced by NIR black pigments in the new StoColor X-black facade paint. The other pigments required for individual colour shades are also prepared using a particularly effective NIR formulation. The same applies to the filler materials used. Thanks to this special technology, dark surfaces stay considerably cooler protecting the facade from the extremes of thermal stress.

Modern facade design with strong colour shades
With StoColor X-black, the possibilities for colour design are practically limitless. Vibrant and black facade surfaces are also easy to implement. The paint based on pure acrylate is available in all StoColor shades and is also available on request in a wide range of others. Used in combination with StoArmat Systems on Masonry even light reflectance values of under 10% are possible.

StoColor X-black at a glance

- Heat-reflective facade paint based on pure acrylate with NIR technology (near-infrared reflection).
- 20% surface temperature reduction when compared with conventional pigments.
- Temperature peaks caused by solar radiation are kept at below 70°C.
- Tintable in all colour shades of the StoColor System and also available on request in a wide range of other shades.
- LRV >10% in StoTherm Armat Systems on Timber Frame and LRV >25% on Stucco and Fibre Cement Sheet.
- LRV <10% in StoArmat Systems on Masonry.
- Can also be used as a renovation paint coat on EWIS and monolithic structures.
- A matt finish with good coverage and application properties in two coats.



With StoColor X-black, the impacting solar energy is reflected specifically in the invisible near-infrared spectrum. It is reflected because of the use of a special NIR black pigment and the targeted NIR formulation of coloured pigments. Thanks to NIR technology, temperature peaks always reliably remain under 70°C leaving your facade pristine for longer.

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