

SCHOTT ROBAX® IR Max

Is it our best heat-reflective coating or a market revolution?



Available with
all ROBAX®
decoration colors.

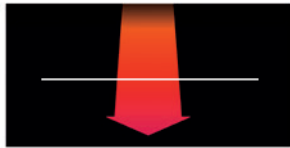
SCHOTT
ROBAX®

SCHOTT ROBAX® IR Max is the next generation of heat reflection.

ROBAX® IR Max is at the forefront in the development of heat-reflective coatings on ROBAX® panels. The reflection of infrared (IR) radiation back into the combustion chamber remains constant over the combustion period of the fireplace.

Seven times higher heat reflection than with a non-coated fire viewing panel.

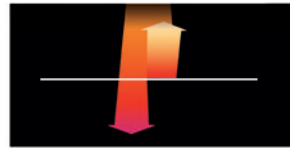
- Reflects up to two times more heat radiation back into the combustion chamber than the previous product, ROBAX® Energy Plus
- Significantly elevated temperature in the combustion chamber
- Simultaneous reduction of the temperature outside of the combustion chamber therefore making the living room comfortably warm and not too hot*



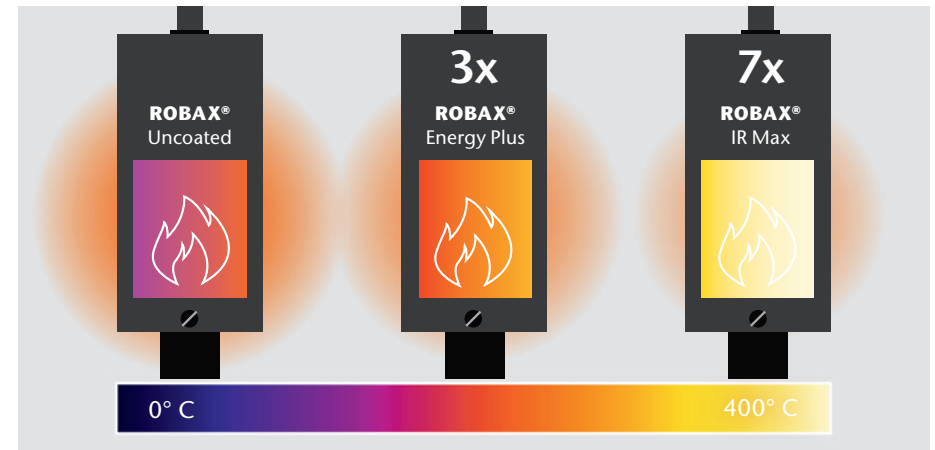
1. A non-coated ROBAX® fire viewing panel reflects very little heat radiation back into the combustion chamber.



2. ROBAX® Energy Plus reflects more heat radiation than a non-coated ROBAX® panel.



3. ROBAX® IR Max reflects even more heat radiation than ROBAX® Energy Plus.



Cumulative reflection of heat radiation for a wavelength range of 800 to 8,000 nm.

Both the embers and the fire in a fireplace emit heat/infrared radiation (typical wavelengths from 800 to 10,000 nm). ROBAX® IR Max reflects seven times more than a non-coated ROBAX® fire viewing panel.

The wavelength range in the evaluation was from 800 to 8,000 nm of the reflection spectra. Conditions and equipment remained constant throughout the testing process.

* The effects mentioned in this brochure are largely dependent on the design of the respective fireplace and the usage habits. We therefore strongly recommend to test whether ROBAX® IR Max can achieve the desired result before committing to serial production. ROBAX® offers comprehensive application services. Please contact us.



Exceptional longevity.

ROBAX® IR Max represents a decisive breakthrough compared to non-coated fire viewing panels:

- Constant performance of the coating over the entire burning period
- Higher efficiency of the energy used for the combustion process
- Exceptional longevity

Pleasant room temperature.

- The lower heat radiation emitted, especially with large fire viewing panels ensures a constantly pleasant room temperature
- No overheating of the room, especially with modern insulated low-energy and passive housing
- Multi-sided glazed fireplaces can be positioned closer to walls, furniture or curtains.
- Reduction of the floor temperature in front of the fireplace is possible

Natural fire look.



- The coating does not distort the view of the fire.
- As a result of the heat reflection into the combustion chamber and the associated high temperatures of the combustion process, soot deposits on the fire viewing panels can be reduced or do not occur at all. This means less cleaning and an unobstructed view of the fire.
- More design possibilities, especially with regard to fireplaces with side glazing and large fire viewing panels

Surface coating with depth effect.

- Higher combustion temperatures can contribute to the reduction of emissions.
- By the reflection of the heat radiation, the available heat energy can be used more efficiently and more sustainably, e.g. for water-bearing fireplaces or as additional storage energy. This means that in the ideal scenario, heating costs can be reduced.
- Optimal use of excess heat in the event of adapting the fireplace design

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