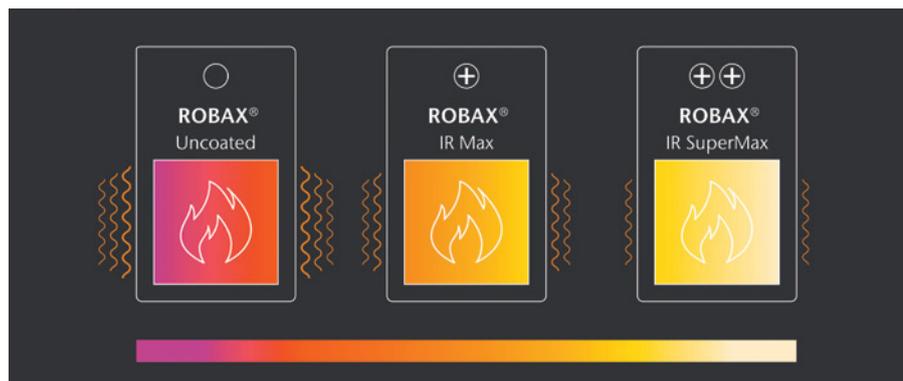




ROBAX® IR SuperMax

The glass-ceramic panel with our most efficient heat-reflective coating



Effects of our different coatings from the ROBAX® Smart Heat Portfolio on the combustion chamber temperature and radiated heat.



Fire-viewing panel with our most efficient heat-reflective coating IR SuperMax

Technical Data	
Maximum panel size	1,055 mm x 535 mm
Glass thickness	4 and 5 mm
Recommended application	Wood, pellet and gas fireplaces
Effect of coating	Reflects significantly more heat back into the combustion chamber than uncoated ROBAX® (for further benefits of the coating please see backside of this data sheet)
Installation	Coated side facing away from fire
Color impression of coating	In reflection the surface of the coated ROBAX® IR SuperMax panel appears slightly greenish or pink mirrored, depending on the viewing angle
Shape	Flat cut-to-size sheets
Surface structure	Both sides smooth
Decoration	Yes (pure black, mystic black, opaque black; mystic & opaque black also in combination with logo in matte stone grey); logos in polar white, satin silver, tin grey
Cleaning	Uncoated side: SCHOTT ROBAX® Dry Wiper Coated side: soft cloth and standard glass cleaner

Thermal Characteristics	
Temperature resistance (glass-ceramic substrate with IR SuperMax coating)	Up to 550 °C (1,022 °F) = 600 hours

Decoration colors

ROBAX® IR SuperMax is available with the following decoration colors:



mystic black/opaque black
(Logo on the left also in color matte stone grey)



pure black





Key benefits of ROBAX® IR SuperMax

ROBAX® IR SuperMax is at the forefront of heat-reflective coatings developed by SCHOTT ROBAX® and completes the Smart Heat portfolio.

- New, unique IR coating on the outside of the viewing panel
- Reflects significantly more heat back into the combustion chamber than uncoated ROBAX® panels
- Significantly higher temperatures inside the fireplace possible
- Drastical improvement of efficiency of combustion process
- Due to the increased reflection of heat radiation back into the combustion chamber, larger viewing panels can also be installed in energy-efficient fireplaces (depending on their design), while the temperature radiation into the outside area remains constant or even decreases.
- Due to increased heating of the inside of the glass-ceramic panel, the surface of the panel is less subject to soot buildup. This pyrolysis-like effect allows for an unclouded, clear view of the fire and significantly reduces the cleaning effort.
- Lower heat radiation into the living space prevents overheating and ensures noticeably more comfortable room temperatures, especially in well-insulated low-energy and passive houses
- Distance between wall and fireplace, or fireplace and furniture can be shortened drastically, thus resulting in new design options



Due to the colorful reflection of the coating (= result of optimization of coating regarding IR reflection) the end customer in the showroom can see that the panel and thus the fireplace is of very high quality.

- Reduction of emissions possible
- Coating helps to limit the effects of user errors (e.g. incorrect airflow or too little fuel)
- Effect of catalyst in fireplace can be significantly improved
- No degradation of the coating (when used according to our recommendations) over the entire life cycle of the fireplace.

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

