

SCHOTT ROBAX® Fire View Index by Dudek

**Is it a great view or a  
completely new way to  
promote premium stoves?**



**SCHOTT  
ROBAX®**

**THE TREND: SHAPED FIRE VIEWING  
PANELS GIVE THE FEELING OF AN  
OPEN FIREPLACE WITHOUT ANY  
OF THE DANGERS OF SUCH.\***

**Main motivation when buying a fireplace is the perfect  
fire experience\*\*, especially maximum view of the fire**

**THE CONSEQUENCE:  
ADDED VALUE FOR  
YOU AND YOUR  
TRADING PARTNERS**

**3D SALES ARGUMENT: 81% OF ALL  
FIREPLACE BUYERS WOULD PREFER A  
SHAPED FIRE VIEWING PANEL TO A FLAT  
ONE, AND WOULD PAY A SIGNIFICANT  
SURCHARGE FOR SUCH A FIREPLACE.\*\*\***

\* Dichter Institute (2007): 7-country basic study

\*\*Focus Marketing Research (2015):  
trade study, Germany

\*\*\*ah-markenberatung (2014):  
representative survey of 100 garden,  
terrace and balcony owners, Germany

## We can now calculate the view of the fire.

Shaped glass-ceramic panels enlarge the view of the fire. With the Fire View Index by Dudek (FVI), SCHOTT ROBAX® is now able to show how much more of the fire is viewable through a shaped panel compared to a flat one.

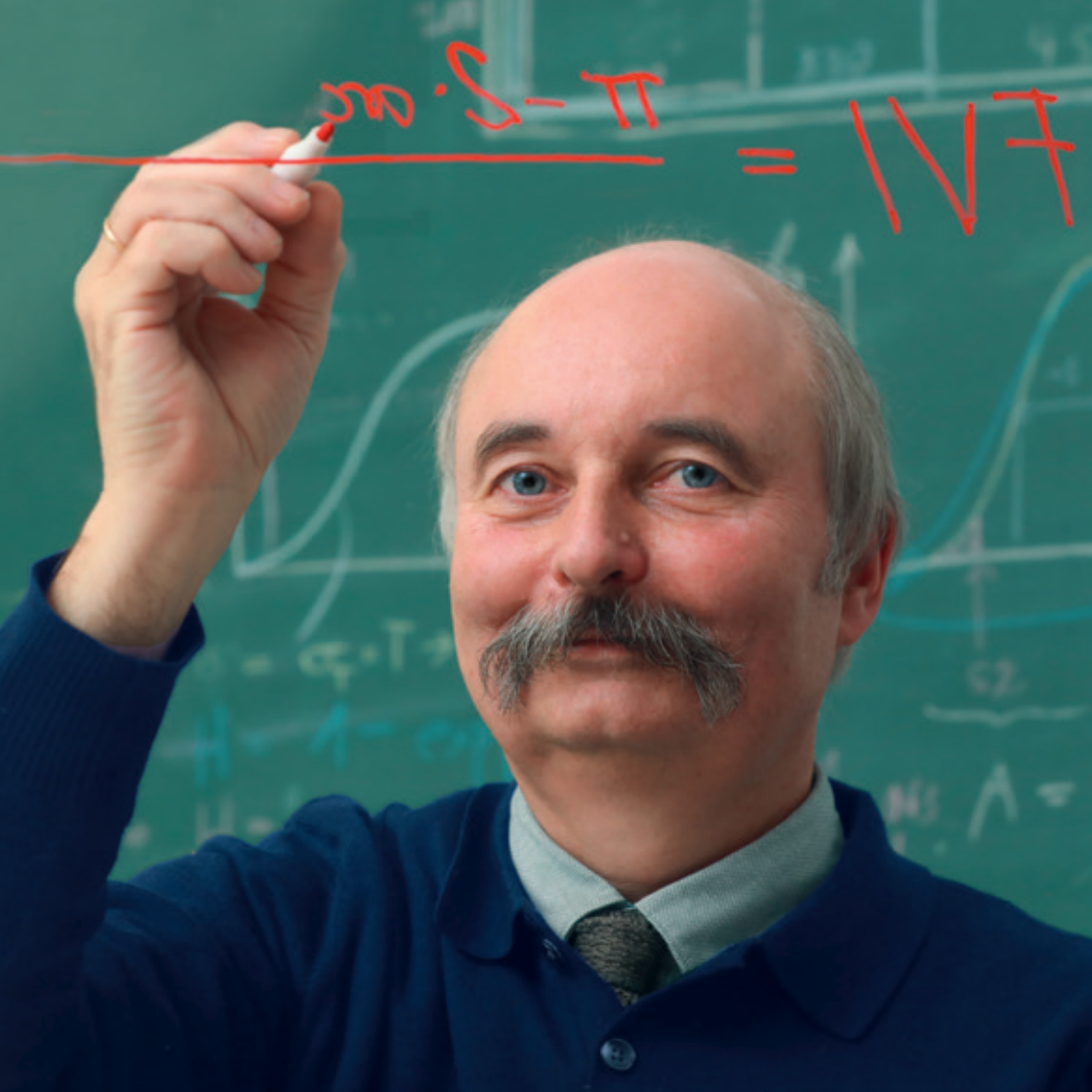
- SCHOTT ROBAX® makes the advantage of a 3D panel both easy to calculate and display.
- The Fire View Index by Dudek (FVI) can be calculated quickly and easily for each fireplace model. If you are interested in the formulas, please contact us.
- This makes the sales argument “fire view” both easy and convincing for you, your trading partners and end customers, especially when it comes to high-quality fireplaces with the added value of a shaped viewing panel.

# The new fire view measurement standard: The Fire View Index by Dudek.

- The Fire View Index by Dudek (FVI) is a new standard of measurement that calculates the viewing area of the fire through the fire viewing panel.
- It compares the view of the fire through a curved or angular bent viewing panel to a flat one.
- The increase in fire view through a shaped panel is expressed in an index higher than 100, with 100 being a flat viewing panel in a combustion chamber of same size. The higher the index is above 100, the bigger the view of the fire and thus the higher the added value for your end customers.

Fire View Index by

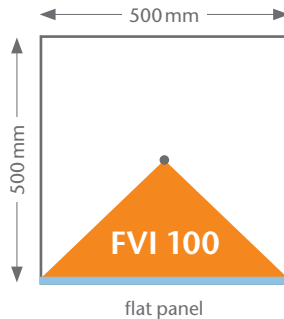
A handwritten signature in black ink, appearing to read "Dudek", written in a cursive style.

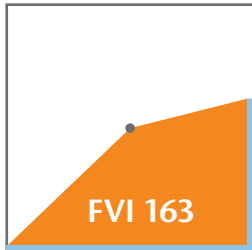


$$\sin \cdot S - \pi = \sqrt{V} F$$

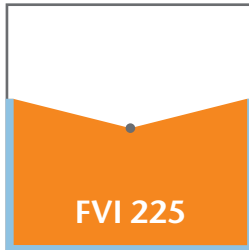
## Maximize your view of the fire – Examples.

- The Fire View Index by Dudek for a flat fire viewing panel is always 100 by definition.
- The maximum theoretical refractor index for a glass-ceramic panel that we are currently able to produce is 300.
- All the following index examples are between 100 and 300.

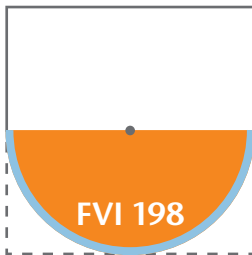




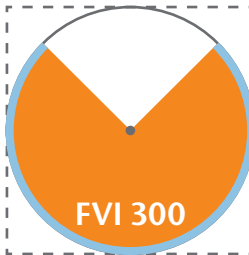
angular bent panel  
with one angle,  
glass leg length: 250 mm



angular bent panel  
with two angles,  
glass leg length: 250 mm



curved panel (inwards)  
bending radius: 175 mm



curved panel

**Top view of fireplace  
combustion chambers  
with different viewing  
panel shapes**

The formulas for the calculation of the Fire View Index by Dudek can be provided to you by SCHOTT ROBAX®. Please contact us.

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