



UNIGLAS®  
IT'S CLEAR

UNIGLAS®  
IT'S CLEAR

UNIGLAS® | TOP energy-saving glass stands for:

- Superb heat insulation values ( $U_g$  values)
- A remarkably high total solar energy transmittance (g value)
- Energy saving and a reduction in heating costs
- High building energy efficiency
- Very good light transmittance
- Superb colour neutrality (Ra value)
- CO<sub>2</sub> reduction
- Optional design with thermally improved edge seal and therefore an even lower window or façade  $U_g$  value.



Our proximity: your advantage

UNIGLAS® | **TOP**  
Energy Saving Glass



UNIGLAS GmbH & Co. KG  
Robert-Bosch-Straße 10  
D-56410 Montabaur  
Telefon: +49 (0) 2602/94929-0  
Fax: +49 (0) 2602/94929-299  
E-Mail: info@uniglas.de



© UNIGLAS® 12/2012



www.uniglas.net



# UNIGLAS® | TOP

Energy Saving Glass

UNIGLAS® | TOP energy-saving glass is a special developed thermally insulated glass that reflects infrared heat rays and thereby keeps them in the room. However, visible light and solar radiation can pass through almost unrestrictedly. As a result, it contributes to significantly heating the room, making it more comfortable to live in, especially in the winter.

Insulated glass from the UNIGLAS® | TOP range also provides suitable glazing for passive houses, to achieve maximum heat insulation with simultaneous use of solar energy.

UNIGLAS® | TOP energy-saving glass offers not only a high light transmittance with outstanding colour neutrality, but also excellent g-values. This function is assured by the innovative coating technology and by the cavities between the panes of double and triple glazing, which are filled with inert gas and hermetically sealed. The precious metal coating allows the visible light into the room, but reflects near-infrared thermal radiation almost completely into the interior.

During their life cycle, the products save considerably more energy than is expended on manufacture, transport, installation and recycling. That gives UNIGLAS® | TOP energy-saving glass a positive sustainability balance.

Thanks to UNIGLAS® | TOP energy-saving glass, the feeling of comfort in the room increases, especially near the windows. That's because a higher surface temperature is achieved at the inner window pane when compared with conventional glazing of the older type. As a result, the perception of cold air and draughts near windows is considerably reduced.

The use of the thermally optimized UNIGLAS®-Thermo-Spacers leads to an additional energy saving and to an improvement in the room climate.

The thermally improved edge connection reduces heat losses at the transitional area from the glass to the window frame. This considerably reduces the formation of condensate in the edge area with high room humidity, and hence also the risk of mould.

