

SMART INTELLIGENT GLASS

Switchable
Smart Glass Technology



**WE BELIEVE IN QUALITY
AND INNOVATION**

HEALTH-CARE

Ideal Solution for Healthcare Environments



SWITCHABLE ELECTRIC GLASS OFFERS THE ADVANTAGE OF IMPROVED PATIENT PRIVACY IN MEDICAL FACILITIES WHERE INSTANT PRIVACY IS REQUIRED BUT GERM-HARBOURING CURTAINS OR BLINDS WANT TO BE AVOIDED. OUR SWITCHABLE GLASS PROVIDES A SHEER AND EASY-TO-CLEAN SURFACE FACILITATING HYGIENIC ACTIONS WHILST OFFERING INSTANT PRIVACY WHEN REQUIRED.



AESTHETIC DESIGN WITHOUT COMPROMISING SAFETY

We offer privacy solutions while
maintaining a sterile environment in
hospitals, clinical environments and
healthcare facilities.



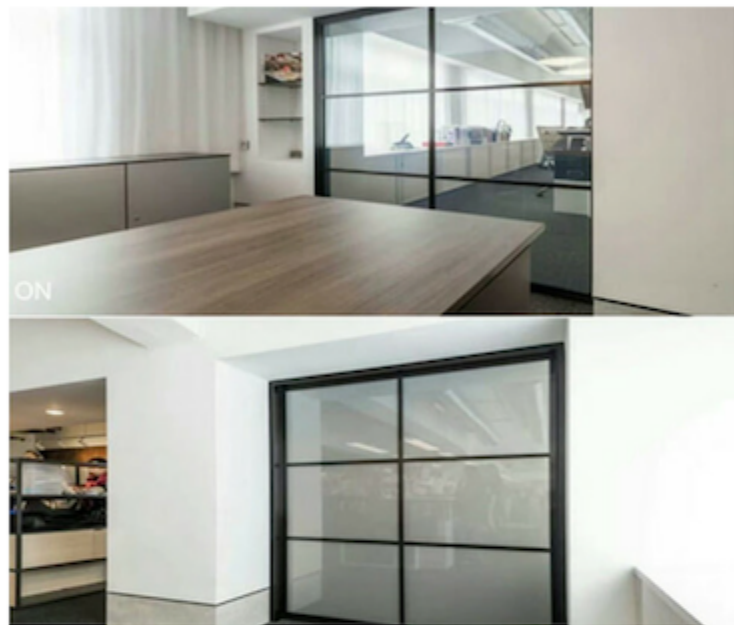
BANKING-FINANCE

Meets safety glass standards and can be used in security window applications.



WITH OUR SWITCHABLE GLASS, CREATE GLASS BOX MEETING ROOMS WHICH AT THE FLICK OF A SWITCH CAN BE MADE PRIVATE.

HOTELS/CORPORATES



Based on the latest polymer dispersed liquid crystal (PDLC) technology, switchable smart glass operates using a simple ON-OFF system, switching the glass from frosted to clear, acting as a remote 'blind' that assists with privacy, security, energy concerns and style. Our self-adhesive switchable film can also be retrofitted to existing windows and partitions.





SCHOTT Radiation Shielding Glass RD 30® & RD 50®

SCHOTT X-ray protection glasses are used in many areas of medicine, in particular in X-ray rooms, operating rooms, radiation stations, dental practices, radiology practices, laboratories. When it comes to shielding harmful radiation, no compromises are possible.

We supply RD 30® & RD 50® glasses in maximum dimensions in every geometric shape.

Crystal clear and effective

Thanks to its high density, RD 50 offers high X-Ray absorption even with relatively thin glass, and meet the requirements of the **German Institute for Standardization, European Standardization** and the **International Electrotechnical Commission**.

SCHOTT RD 50 for PET applications

Due to its special composition, RD 50 is also ideal for use in PET applications, and offers an **excellent protective effect**. RD 50 can thus be used in combination with PET and CT.

This is unique to SCHOTT RD 50

- RD 50 is the monolithic X-Ray shielding glass with the widest range of thicknesses.
- RD 50 provides high X-Ray absorption even with thin glass.
- RD 50 can be supplied in different versions, including bent shapes and as toughened glass.



Mobile shield made of RD 30® allows you to be close to the patient during mammography.

SCHOTT

The image shows several rectangular glass panels of varying thicknesses, some of which are yellowed with age or radiation. A blue banner in the top right corner contains the Schott logo and product information. The background is a dark, reflective surface.

SCHOTT
glass made of ideas

**Radiation Shielding
Glass**

RD 30® | RD 50®

Technical Data for RD 50

Optical properties

Refractive index n _D at 20°C	1.79
Light transmittance (d = 5.0 mm)	85%

Chemical properties

Hydrolytic class according to DIN ISO 719	HGB 1
Lead oxide content (PbO)	≥65%
Total heavy metal content	≥70%

Mechanical properties

Density in g/cm ³ (as-delivered condition)	≥5.05
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Other properties

Glass thickness	8.1 mm ²
Evaluated sound insulation value R _w	85%
Spectral adaptation values C and C _v	41(-3,-3) dB





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