

RD50® | Lead equivalents for X-Ray quality and maximum dimensions

Minimum thickness mm	Maximum thickness mm	Attenuation equivalent in mm pb at tube voltage of:					Maximum weight kg / m ²	Maximum dimensions mm x mm
		80 kV	100 kV	110 kV*	150 kV	200 kV		
5,0	7,0	1,5	1,5	1,5	1,5	1,4	35	2.000 x 1.000
7,0	9,0	2,1	2,1	2,1	2,1	2,0	45	2.400 x 1.220
8,5	10,5	2,6	2,6	2,5	2,5	2,4	53	2.400 x 1.220
10,0	12,0	3,1	3,1	3,0	3,0	2,9	61	2.400 x 1.220
11,5	14,0	3,5	3,6	3,5	3,5	3,3	71	2.400 x 1.220
16,0	19,0	-	5,0	4,9	4,9	4,6	96	2.400 x 1.220
20,0	23,0	-	6,3	6,1	6,1	5,8	116	1.500 x 1.220

*No tube voltage to DIN EN 61331-1; different tube voltage on inquiry

Additional laser protection checked on DIN EN 12254:2010
Protection level: D AB9 + IR AB4 180-315 mm

RD30® | Lead equivalents and maximum dimension

Glass thickness mm	Attenuation equivalent in mm pb at tube voltage of:						Maximum weight kg / m ²	Maximum dimensions mm x mm
	50 kV	56 kV	76 kV	80 kV	110 kV	150 kV		
6,0 ± 0,25	≥ 0,5	≥ 0,5	≥ 0,5	≥ 0,5	≥ 0,5	≥ 0,5	20	2.350 x 1.500

ATTENTION: Important installation instructions

Do not remove protection film from Radiation Shielding Glass RD50® until immediately before installation. Do not use any sharp objects to remove it.

Only use sealant that is free of acids and alkaline substances (e.g. acetic acid, ammonia) during installation. Adhesive labels can cause discoloration if the adhesive reacts with the glass surface.

Please follow the on-site requirements of DIN 6812 when installing. Sufficient radiation protection overlap must definitely be ensured during installation.

Cleansing instructions

Due to high lead oxide equivalents the surface of RD50® and RD30® is much more sensitive on contacts with acid and alkali and / or scratches than normal window glass.

Please, only use water, a mild detergent and a soft cloth.

Please notice special cleansing instructions for Radiation Shielding Glass with Printing!

Disinfection

RD50® and RD30® can be disinfected using commercially available disinfectants that SCHOTT has approved:

www.schott.com

Disinfection using ultraviolet irradiation is also possible.

Please notice special cleansing instructions for Radiation Shielding Glass with Screen Printing!

Moisture

Radiation shielding glass should never be exposed to moisture or temperature fluctuations in conjunction with moisture and acidic air.