

Manufacturer : see UNIGLAS shareholder (www.uniglas.net)

Insulating glass units intended to be used in buildings and construction work

 Product: **UNIGLAS®** | **TOP** Premium

Product identification = U _g	1,1	1,0	1,0 Kr	0,7	0,6	0,5	0,5 Kr
Pane configuration* in mm							
outside	4	4:	4	4:	4:	4:	4:
cavity width	16	16	12	12	14	18	12
centre				4	4	4	4
cavity width				12	14	18	12
inside	:4	:4	:4	:4	:4	:4	:4

Specifics

Resistance to fire (EN 13501-2)	npd	npd	npd	npd	npd	npd	npd
Reaction to fire (EN 13501-1)	A 1	A 1	A 1	A 1	A 1	A 1	A 1
External fire performance (EN 13501-5)	npd	npd	npd	npd	npd	npd	npd
Bullet resistance (EN 1063)	npd	npd	npd	npd	npd	npd	npd
Explosion resistance (EN 13541)	npd	npd	npd	npd	npd	npd	npd
Burglar resistance (EN 356)	npd	npd	npd	npd	npd	npd	npd
Pendulum body resistance (EN 12600)	npd	npd	npd	npd	npd	npd	npd
Resistance against sudden temperature changes and tempertur differentials (EN 12150)	40 K	40 K	40 K	40 K	40 K	40 K	40 K
Wind, snow, permanent and imposed load resistance (EN 13474)	2 x 4 mm	2 x 4 mm	2 x 4 mm	3 x 4 mm	3 x 4 mm	3 x 4 mm	3 x 4 mm
Direct airborne sound insulation (EN 12758) R _w (-C; -C _{tr}): dB	32(-2;-5)	32(-2;-5)	32(-2;-6)	32(-1;-5)	32(-1;-4)	npd	33(-2;-5)
Thermal properties (EN 673) or EN 674: W/m²K	1,1	1,0	1,0	0,7	0,6	0,5	0,5
Light Transmission / light reflection (EN 410): %	80 / 12	78 / 9	80 / 12	70 / 15	70 / 15	70 / 15	70 / 15
Solar energy transmission (EN 410) = g-value: %	63	53	63	50	50	50	50

* : coating position

npd = no performance determined

All specifics are nominal values with production tolerances according to EN standards, german building supervisory approval (Bauregelliste BRL) and used basic glass

Manufacturer : see UNIGLAS shareholder (www.uniglas.net)

Insulating glass units intended to be used in buildings and construction work

 Product: **UNIGLAS® | TOP** Solar

Product identification = U _g	0,8	0,7	0,6	0,6 Kr			
Pane configuration* in mm							
outside	4:	4:	4:	4:			
cavity width	12	14	18	12			
centre	4	4	4	4			
cavity width	12	14	18	12			
inside	:4	:4	:4	:4			

Specifics

Resistance to fire (EN 13501-2)	npd	npd	npd	npd			
Reaction to fire (EN 13501-1)	A 1	A 1	A 1	A 1			
External fire performance (EN 13501-5)	npd	npd	npd	npd			
Bullet resistance (EN 1063)	npd	npd	npd	npd			
Explosion resistance (EN 13541)	npd	npd	npd	npd			
Burglar resistance (EN 356)	npd	npd	npd	npd			
Pendulum body resistance (EN 12600)	npd	npd	npd	npd			
Resistance against sudden temperature changes and tempertur differentials (EN 12150)	40 K	40 K	40 K	40 K			
Wind, snow, permanent and imposed load resistance (EN 13474)	3 x 4 mm	3 x 4 mm	3 x 4 mm	3 x 4 mm			
Direct airborne sound insulation (EN 12758) R _w (-C; -C _{tr}): dB	32(-1;-5)	32(-1;-4)	npd	33(-2;-5)			
Thermal properties (EN 673) or EN 674: W/m²K	0,8	0,7	0,6	0,6			
Light Transmission / light reflection (EN 410): %	73 / 19	73 / 19	73 / 19	73 / 19			
Solar energy transmission (EN 410) = g-value: %	61	61	61	61			

* : coating position

npd = no performance determined

All specifics are nominal values with production tolerances according to EN standards, german building supervisory approval (Bauregelliste BRL) and used basic glass

Manufacturer : see UNIGLAS shareholder (www.uniglas.net)

Insulating glass units intended to be used in buildings and construction work

 Product: **UNIGLAS® | TOP One**

Product identification = U _g	1,1	1,0	0,9 Kr	0,7	0,6	0,5	0,4 Kr
Pane configuration* in mm							
outside	4	4	4	4:	4:	4:	4:
cavity width	-14-	-16-	-10-	-12-	-14-	-16-	-12-
centre				4	4	4	4
cavity width				-12-	-14-	-16-	-12-
inside	:4	:4	:4	:4	:4	:4	:4

Specifics

Resistance to fire (EN 13501-2)	npd	npd	npd	npd	npd	npd	npd
Reaction to fire (EN 13501-1)	A 1	A 1	A 1	A 1	A 1	A 1	A 1
External fire performance (EN 13501-5)	npd	npd	npd	npd	npd	npd	npd
Bullet resistance (EN 1063)	npd	npd	npd	npd	npd	npd	npd
Explosion resistance (EN 13541)	npd	npd	npd	npd	npd	npd	npd
Burglar resistance (EN 356)	npd	npd	npd	npd	npd	npd	npd
Pendulum body resistance (EN 12600)	npd	npd	npd	npd	npd	npd	npd
Resistance against sudden temperature changes and tempertur differentials (EN 12150)	40 K	40 K	40 K	40 K	40 K	40 K	40 K
Wind, snow, permanent and imposed load resistance (EN 13474)	2 x 4 mm	2 x 4 mm	2 x 4 mm	3 x 4 mm	3 x 4 mm	3 x 4 mm	3 x 4 mm
Direct airborne sound insulation (EN 12758) R _w (-C; -C _{tr}): dB	npd	32(-2;-5)	31(-2;-5)	32(-1;-5)	32(-1;-4)	32(-1;-5)	33(-2;-5)
Thermal properties (EN 673) or EN 674: W/m²K	1,1	1,0	0,9	0,7	0,6	0,5	0,4
Light Transmission / light reflection (EN 410): %	71 / 22	71 / 22	71 / 22	58 / 31	58 / 31	58 / 31	58 / 31
Solar energy transmission (EN 410) = g-value: %	50	50	50	37	37	37	37

* : coating position

npd = no performance determined

All specifics are nominal values with production tolerances according to EN standards, german building supervisory approval (Bauregelliste BRL) and used basic glass