

EC - Declaration of conformity

SCHOTT JENA^{er} GLAS GmbH
Otto-Schott-Strasse 13
07745 Jena
Germany

declares the following characteristics for the CE marking of the glass products named ISO-Pyranova®, insulating glass unit, intended to be used in buildings and construction works, following EN 1279-5:2005, Annex ZA, certified with EC Certificate of conformity no. **1121-CPD-CA0011**, issued by Notified Certification Body No. 1121, Warrington Certification Ltd., Holmesfield Road, WARRINGTON, UK, WA1 2DS

Jena, 26.03.2008

Ulrich Leipold-Haas
Manager Quality Assurance
Special Float Glass Division

SCHOTT
glass made of ideas

Characteristics SCHOTT ISO-PYRANOVA®	Type 30 S 2.0 / 15.1.128
Resistance to fire (EN 13501-2)	EI 45
Reaction to fire (EN 13501-1)	NPD
External fire performance (EN 13501-5)	NPD
Bullet resistance (EN 1063)	NPD
Explosion resistance (EN 13541)	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature changes and temperature differentials (EN 572-1)	40 K
Wind, snow, permanent and imposed load resistance	3.3.2:-15-15 (*2)
Direct airborne sound insulation (EN 12758)	NPD
Thermal properties (U_g EN 673)	1,4 W / (m ² K)
Radiation properties (EN 410): - light transmission and reflection - solar transmission and reflection	0,72 / 0,14 – 0,12 0,42 / 0,20 – 0,15

(*2) laminated soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*3) laminated soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

(*4) basic soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*5) basic soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

Characteristics SCHOTT ISO-PYRANOVA®	Type 30 S 2.0 / 15.1.128
Resistance to fire (EN 13501-2)	EI 45
Reaction to fire (EN 13501-1)	NPD
External fire performance (EN 13501-5)	NPD
Bullet resistance (EN 1063)	NPD
Explosion resistance (EN 13541)	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature changes and temperature differentials (EN 572-1)	40 K
Wind, snow, permanent and imposed load resistance	3.3.2:-15-15 (*3)
Direct airborne sound insulation (EN 12758)	NPD
Thermal properties (U_g EN 673)	1,1 W / (m ² K)
Radiation properties (EN 410): - light transmission and reflection - solar transmission and reflection	0,72 / 0,14 – 0,12 0,42 / 0,20 – 0,15

(*2) laminated soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*3) laminated soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

(*4) basic soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*5) basic soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

Characteristics SCHOTT ISO-PYRANOVA®	Type 30 S 2.1 / 15.1.120
Resistance to fire (EN 13501-2)	EI 45
Reaction to fire (EN 13501-1)	NPD
External fire performance (EN 13501-5)	NPD
Bullet resistance (EN 1063)	NPD
Explosion resistance (EN 13541)	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature changes and temperature differentials (EN 572-1)	40 K
Wind, snow, permanent and imposed load resistance	4:-15-19 (*4)
Direct airborne sound insulation (EN 12758)	NPD
Thermal properties (U_g EN 673)	1,4 W / (m ² K)
Radiation properties (EN 410): - light transmission and reflection - solar transmission and reflection	0,73 / 0,15 – 0,13 0,42 / 0,29 – 0,13

(*2) laminated soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*3) laminated soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

(*4) basic soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*5) basic soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

Characteristics SCHOTT ISO-PYRANOVA®	Type 30 S 2.1 / 15.1.120
Resistance to fire (EN 13501-2)	EI 45
Reaction to fire (EN 13501-1)	NPD
External fire performance (EN 13501-5)	NPD
Bullet resistance (EN 1063)	NPD
Explosion resistance (EN 13541)	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature changes and temperature differentials (EN 572-1)	40 K
Wind, snow, permanent and imposed load resistance	4:-15-19 (*5)
Direct airborne sound insulation (EN 12758)	NPD
Thermal properties (U_g EN 673)	1,1 W / (m ² K)
Radiation properties (EN 410): - light transmission and reflection - solar transmission and reflection	0,73 / 0,15 – 0,13 0,42 / 0,29 – 0,13

(*2) laminated soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*3) laminated soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

(*4) basic soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*5) basic soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

Characteristics SCHOTT ISO-PYRANOVA®	Typ 60 S 2.0 / 15.1.128
Resistance to fire (EN 13501-2)	EI 60
Reaction to fire (EN 13501-1)	NPD
External fire performance (EN 13501-5)	NPD
Bullet resistance (EN 1063)	NPD
Explosion resistance (EN 13541)	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature changes and temperature differentials (EN 572-1)	40 K
Wind, snow, permanent and imposed load resistance	3.3.2:-15-23 (*7)
Direct airborne sound insulation (EN 12758)	NPD
Thermal properties (U_g EN 673)	1,4 W / (m ² K)
Radiation properties (EN 410): - light transmission and reflection - solar transmission and reflection	0,71 / 0,14 – 0,12 0,40 / 0,20 – 0,13

(*7) laminated soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*8) laminated soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

(*9) basic soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*10) basic soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

Characteristics SCHOTT ISO-PYRANOVA®	Typ 60 S 2.0 / 15.1.128
Resistance to fire (EN 13501-2)	EI 60
Reaction to fire (EN 13501-1)	NPD
External fire performance (EN 13501-5)	NPD
Bullet resistance (EN 1063)	NPD
Explosion resistance (EN 13541)	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature changes and temperature differentials (EN 572-1)	40 K
Wind, snow, permanent and imposed load resistance	3.3.2:-15-23 (*8)
Direct airborne sound insulation (EN 12758)	NPD
Thermal properties (U_g EN 673)	1,1 W / (m ² K)
Radiation properties (EN 410): - light transmission and reflection - solar transmission and reflection	0,71 / 0,14 – 0,12 0,40 / 0,20 – 0,13

(*7) laminated soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*8) laminated soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

(*9) basic soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*10) basic soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

Characteristics SCHOTT ISO-PYRANOVA®	Typ 60 S 2.1 / 15.1.120
Resistance to fire (EN 13501-2)	EI 60
Reaction to fire (EN 13501-1)	NPD
External fire performance (EN 13501-5)	NPD
Bullet resistance (EN 1063)	NPD
Explosion resistance (EN 13541)	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature changes and temperature differentials (EN 572-1)	40 K
Wind, snow, permanent and imposed load resistance	4:-15-27 (*9)
Direct airborne sound insulation (EN 12758)	NPD
Thermal properties (U_g EN 673)	1,4 W / (m ² K)
Radiation properties (EN 410): - light transmission and reflection - solar transmission and reflection	0,72 / 0,15 – 0,12 0,41 / 0,26 – 0,12

(*7) laminated soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*8) laminated soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

(*9) basic soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*10) basic soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

Characteristics SCHOTT ISO-PYRANOVA®	Typ 60 S 2.1 / 15.1.120
Resistance to fire (EN 13501-2)	EI 60
Reaction to fire (EN 13501-1)	NPD
External fire performance (EN 13501-5)	NPD
Bullet resistance (EN 1063)	NPD
Explosion resistance (EN 13541)	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD
Resistance against sudden temperature changes and temperature differentials (EN 572-1)	40 K
Wind, snow, permanent and imposed load resistance	4:-15-27 (*10)
Direct airborne sound insulation (EN 12758)	NPD
Thermal properties (U_g EN 673)	1,1 W / (m ² K)
Radiation properties (EN 410): - light transmission and reflection - solar transmission and reflection	0,72 / 0,15 – 0,12 0,41 / 0,26 – 0,12

(*7) laminated soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*8) laminated soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass

(*9) basic soda lime silicate float glass: lowE-coated – air filled spacer - Pyranova® glass

(*10) basic soda lime silicate float glass: lowE-coated – argon filled spacer - Pyranova® glass