

Insulated Glass Configurations

- a. **Type: Solar Control Insulating Glass Units – Clear Low-e Configuration**
SunGuard® SN 68 (Guardian) + Optifloat (Pilkington)
Performance Values:
- VLT 66 percent
 - SHGC 0.37
 - Shading coefficient 0.42
 - Exterior reflectance 11 percent
 - U-value winter 0.244
 - U-value summer 0.219
- Insulating Glass Unit Construction: 1/4 inch (6 mm) SN 68 on Clear (sputtered) on second surface (2) + 1/2 inch (13 mm) air space w/ black warm edge spacer + 3/8 inch (10 mm) Optifloat
- b. **Type: Solar Control Insulating Glass Units – Clear Low-e and Low Iron Configuration**
SunGuard® SNX 62/27 (Guardian) + OptiWhite (Pilkington)
Performance Values:
- VLT 63 percent
 - SHGC 0.26
 - Shading coefficient 0.30
 - Exterior reflectance 11 percent
 - U-value winter 0.238
 - U-value summer 0.209
- Insulating Glass Unit Construction: 1/4 inch (6 mm) SNX 62/27 on Clear (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) OptiWhite
- c. **Type: Solar Control Insulating Glass Units – Low Iron Low-e and Low Iron Configuration**
Cool-lite Xtreme 70-33 II on Diamant (Saint Gobain Glass) + OptiWhite (Pilkington)
Performance Values:
- VLT 71 percent
 - SHGC 0.29
 - Shading coefficient 0.34
 - Exterior reflectance 11 percent
 - U-value winter 0.237
 - U-value summer 0.207
- Insulating Glass Unit Construction: 1/4 inch (6mm) Cool-lite Xtreme 70-33 II on Diamant (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) OptiWhite
- d. **Type: Solar Control Insulating Glass Units – Low Iron Low-e and Clear Configuration**
Cool-lite Xtreme SKN 076 II on Diamant (Saint Gobain Glass) + Optifloat (Pilkington)
Performance Values:
- VLT 69 percent

- b. SHGC 0.34
- c. Shading coefficient 0.38
- d. Exterior reflectance 13 percent
- e. U-value winter 0.236
- f. U-value summer 0.206

Insulating Glass Unit Construction: 1/4 inch (6mm) Cool-lite SKN 076 II on Diamant (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) Optifloat

- e. **Type: Solar Control Insulating Glass Units – Low Iron Low-e and Low Iron Configuration**
SunGuard® SN 68 on UltraClear (Guardian) + OptiWhite (Pilkington) + OptiWhite (Pilkington)

Performance Values:

- a. VLT 65 percent
- b. SHGC 0.36
- c. Shading coefficient 0.41
- d. Exterior reflectance 15 percent
- e. U-value winter 0.184
- f. U-value summer 0.180

Insulating Glass Unit Construction: 1/4 inch (6mm) SunGuard® SN 68 on UltraClear (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) OptiWhite + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6mm) OptiWhite

- f. **Type: Solar Control Insulating Glass Units – Low Iron Low-e and Low Iron Configuration**
Cool-lite Xtreme 70-33 II on Diamant (Saint-Gobain) + OptiWhite (Pilkington) + OptiWhite (Pilkington)

Performance Values:

- a. VLT 65 percent
- b. SHGC 0.27
- c. Shading coefficient 0.31
- d. Exterior reflectance 15 percent
- e. U-value winter 0.177
- f. U-value summer 0.170

Insulating Glass Unit Construction: 1/4 inch (6mm) Cool-lite Xtreme 70-33 II on Diamant (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) OptiWhite + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 3/8 inch (10mm) OptiWhite

- g. **Type: Solar Control Insulating Glass Units – Low Iron Low-e and Low Iron Configuration**
Cool-lite SKN 076 II on Diamant (Saint-Gobain) + OptiWhite (Pilkington) + OptiWhite (Pilkington)

Performance Values:

- a. VLT 66 percent
- b. SHGC 0.31
- c. Shading coefficient 0.36

- d. Exterior reflectance 17 percent
- e. U-value winter 0.178
- f. U-value summer 0.170

Insulating Glass Unit Construction: 1/4 inch (6mm) Cool-lite SKN 076 II on Diamant (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) OptiWhite + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6mm) OptiWhite

- h. **Type: Low Iron Insulating Glass Units – Low Iron only Configuration**
OptiWhite (Pilkington) + OptiWhite (Pilkington)

Performance Values:

- a. VLT 83 percent
- b. SHGC 0.83
- c. Shading coefficient 0.95
- d. Exterior reflectance 15 percent
- e. U-value winter 0.447
- f. U-value summer 0.476

Insulating Glass Unit Construction: 1/4 inch (6 mm) OptiWhite + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6mm) OptiWhite

- i. **Type: Solar Control & 4th Surface Passive Low-e Insulating Glass Units – Clear Low-e**
Cool-lite Xtreme 60-28 II on Planiclear (Saint-Gobain) + EnergyAdvantage on Optifloat (Pilkington)

Performance Values:

- a. VLT 56 percent
- b. SHGC 0.24
- c. Shading coefficient 0.27
- d. Exterior reflectance 16 percent
- e. U-value winter 0.196
- f. U-value summer 0.171

Insulating Glass Unit Construction: 1/4 inch (6 mm) Cool-lite Xtreme 60-28 II on Planiclear (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6mm) EnergyAdvantage on Optifloat (pyrolytic) on fourth surface (4)

- j. **Type: Solar Control Insulating Glass Units – Low Iron Low-e and Low Iron Configuration**
Cool-lite SKN 076 II on Diamant (Saint-Gobain) + OptiWhite (Pilkington) + OptiWhite (Pilkington)

Performance Values:

- a. VLT 66 percent
- b. SHGC 0.31
- c. Shading coefficient 0.36
- d. Exterior reflectance 17 percent
- e. U-value winter 0.178
- f. U-value summer 0.171

Insulating Glass Unit Construction: 1/4 inch (6mm) Cool-lite SKN 076 II on Diamant

(sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 3/16 inch (5 mm) OptiWhite + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 3/16 inch (5mm) OptiWhite

- k. Type: Solar Control Insulating Glass Units – Low-e on Clear and Low Iron Configuration**
SunGuard SN 68 on Clear (Guardian) + OptiWhite (Pilkington) + OptiWhite (Pilkington)
Performance Values:
- VLT 64 percent
 - SHGC 0.35
 - Shading coefficient 0.40
 - Exterior reflectance 15 percent
 - U-value winter 0.184
 - U-value summer 0.180
- Insulating Glass Unit Construction: 1/4 inch (6mm) SunGuard SN 68 on Clear (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) OptiWhite + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6mm) OptiWhite
- l. Type: Double Solar Control Insulating Glass Units – Low Iron Low-e and Low Iron Configuration**
SunGuard SNR 43 on UltraClear (Guardian) + SunGuard Neutral 78/65 on UltraClear (Guardian) + UltraClear (Guardian)
Performance Values:
- VLT 40 percent
 - SHGC 0.20
 - Shading coefficient 0.23
 - Exterior reflectance 29 percent
 - U-value winter 0.128
 - U-value summer 0.130
- Insulating Glass Unit Construction: 3/8 inch (10 mm) SunGuard SNR 43 on UltraClear (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 5/16 inch (8 mm) SunGuard Neutral 78/65 on UltraClear (sputtered) on fourth surface (4) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 5/16 inch (8 mm) UltraClear
- m. Type: Double Solar Control Insulating Glass Units – Low Iron and Clear Low-e and Clear Configuration**
Cool-lite Xtreme 70-33 II on Diamant (Saint-Gobain) + Planitherm XN II on Planiclear (Saint-Gobain) + Optifloat (Pilkington)
Performance Values:
- VLT 63 percent
 - SHGC 0.26
 - Shading coefficient 0.30
 - Exterior reflectance 14 percent
 - U-value winter 0.121
 - U-value summer 0.121
- Insulating Glass Unit Construction: 1/4 inch (6 mm) Cool-lite Xtreme 70-33 II on Diamant (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm

Edge Spacer, Black + 1/4 inch (6 mm) Planitherm XN II on Planiclear (sputtered) on fourth surface (4) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 3/16 inch (5 mm) Optifloat

n. Type: Solar Control Insulating Glass Units – Low-e on Clear and Clear Configuration

SunGuard SNX 62/27 on Clear (Guardian) + Optifloat (Pilkington)

Performance Values:

- a. VLT 61 percent
- b. SHGC 0.26
- c. Shading coefficient 0.30
- d. Exterior reflectance 11 percent
- e. U-value winter 0.238
- f. U-value summer 0.209

Insulating Glass Unit Construction: 1/4 inch (6 mm) SunGuard SNX 62/27 on Clear (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) Optifloat

o. Type: Solar Control Insulating Glass Units – Low Iron Low-e and Low Iron Configuration

Cool-lite Xtreme 70-33 II on Diamant (Saint-Gobain) + OptiWhite (Pilkington) + OptiWhite (Pilkington)

Performance Values:

- a. VLT 65 percent
- b. SHGC 0.27
- c. Shading coefficient 0.31
- d. Exterior reflectance 15 percent
- e. U-value winter 0.178
- f. U-value summer 0.171

Insulating Glass Unit Construction: 3/8 inch (10 mm) Cool-lite Xtreme 70-33 II on Diamant (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) OptiWhite + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6mm) OptiWhite

p. Type: Double Solar Control Insulating Glass Units – Low Iron and Clear Low-e and Clear Configuration

Cool-lite SKN 076 II on Diamant (Saint-Gobain) + Planitherm XN II on Planiclear (Saint-Gobain) + Optifloat (Pilkington)

Performance Values:

- a. VLT 63 percent
- b. SHGC 0.30
- c. Shading coefficient 0.35
- d. Exterior reflectance 15 percent
- e. U-value winter 0.120
- f. U-value summer 0.121

Insulating Glass Unit Construction: 1/4 inch (6 mm) Cool-lite SKN 076 II on Diamant (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) Planitherm XN II on Planiclear (sputtered) on fourth surface (4) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer,

Black + 1/4inch (6 mm) Optifloat

- q. Type: Passive Low-e Insulating Glass Units – Passive Low-e on Clear and Clear Configuration EnergyAdvantage on Optifloat (Pilkington) + Optifloat (Pilkington) + Optifloat (Pilkington)**
Performance Values:
- VLT 65 percent**
 - SHGC 0.55**
 - Shading coefficient 0.63**
 - Exterior reflectance 20 percent**
 - U-value winter 0.210**
 - U-value summer 0.222**
- Insulating Glass Unit Construction: 3/8 inch (10 mm) EnergyAdvantage on Optifloat (pyrolytic) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) Optifloat + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6mm) Optifloat**
- r. Type: Solar Control Insulating Glass Units – Low Iron Low-e and Low Iron Configuration Cool-lite Xtreme 70-33 II on Diamant (Saint-Gobain) + OptiWhite (Pilkington)**
Performance Values:
- VLT 70 percent**
 - SHGC 0.30**
 - Shading coefficient 0.34**
 - Exterior reflectance 11 percent**
 - U-value winter 0.233**
 - U-value summer 0.205**
- Insulating Glass Unit Construction: 3/8 inch (10 mm) Cool-lite Xtreme 70-33 II on Diamant (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 3/8 inch (10 mm) OptiWhite**
- s. Type: Solar Control Insulating Glass Units – Low Iron Low-e and Low Iron Configuration Cool-lite SKN 076 II on Diamant (Saint-Gobain) + OptiWhite (Pilkington)**
Performance Values:
- VLT 71 percent**
 - SHGC 0.34**
 - Shading coefficient 0.39**
 - Exterior reflectance 13 percent**
 - U-value winter 0.233**
 - U-value summer 0.204**
- Insulating Glass Unit Construction: 3/8 inch (10 mm) Cool-lite SKN 076 II on Diamant (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 3/8 inch (10 mm) OptiWhite**
- t. Type: Solar Control & 4th Surface Passive Low-e Insulating Glass Units – Clear Low-e SunGuard SN 68 on Clear (Guardian) + SunGuard IS 20 on Clear (Guardian)**
Performance Values:
- VLT 66 percent**

- b. SHGC 0.36
- c. Shading coefficient 0.42
- d. Exterior reflectance 12 percent
- e. U-value winter 0.203
- f. U-value summer 0.180

Insulating Glass Unit Construction: 1/4 inch (6 mm) SunGuard SN 68 on Clear (sputtered) on second surface (2) + 1/2 inch (13 mm) air space Chromatec Ultra Warm Edge Spacer, Black + 1/4 inch (6 mm) SunGuard IS 20 on Clear (pyrolytic) on fourth surface (4)