



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works
Triple Glazed 4mm SGG PLANITHERM T F3 F5 (20mm Air Space, Air Filled) 4mm
Diamant

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Float Glass
20mm Cavity
Air Filled
4mm Planitherm Total Float Glass F3
20mm Cavity
Air Filled
4mm Planitherm Total Float Glass F5

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	32 (-2; -5)
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	0.7 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0,7 / 0,15 / 0,15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0,45 / 0.29 / 0.60

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works
Triple Glazed 4mm SGG PLANITHERM T F3 F5 (6mm Air Space, Air Filled) 4mm
Diamant

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Float Glass
6mm Cavity
Air Filled
4mm Planitherm Total Float Glass F3
6mm Cavity
Air Filled
4mm Planitherm Total Float Glass F5

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	32 (-2; -5)
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.6 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0,7 / 0,15 / 0,15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0,45 / 0.29 / 0.59

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works
Triple Glazed 4mm SGG PLANITHERM T F3 F5 (8mm Air Space, Air Filled) 4mm
Diamant

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Float Glass
8mm Cavity
Air Filled
4mm Planitherm Total Float Glass F3
8mm Cavity
Air Filled
4mm Planitherm Total Float Glass F5

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	32 (-2; -5)
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.3 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0,7 / 0,15 / 0,15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0,45 / 0.29 / 0.59

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works
Triple Glazed 4mm SGG PLANITHERM T F3 F5 (20mm Air Space, Argon Gas 90%
Filled) 4mm Diamant

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Float Glass
20mm Cavity
Argon Gas 90% Filled
4mm Planitherm Total Float Glass F3
20mm Cavity
Argon Gas 90% Filled
4mm Planitherm Total Float Glass F5

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	32 (-2; -5)
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	0.5 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0,7 / 0,15 / 0,15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0,45 / 0.29 / 0.60

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works
Triple Glazed 4mm SGG PLANITHERM T F3 F5 (6mm Air Space, Argon Gas 90%
Filled) 4mm Diamant

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Float Glass
6mm Cavity
Argon Gas 90% Filled
4mm Planitherm Total Float Glass F3
6mm Cavity
Argon Gas 90% Filled
4mm Planitherm Total Float Glass F5

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	32 (-2; -5)
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.16 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p`v	0,7 / 0,15 / 0,15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0,45 / 0.29 / 0.59

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
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EN 1279-5 Insulating glass units
intended to be used in buildings and construction works
Triple Glazed 4mm SGG PLANITHERM T F3 F5 (8mm Air Space, Argon Gas 90%
Filled) 4mm Diamant

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Float Glass
8mm Cavity
Argon Gas 90% Filled
4mm Planitherm Total Float Glass F3
8mm Cavity
Argon Gas 90% Filled
4mm Planitherm Total Float Glass F5

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	32 (-2; -5)
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.0 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0,7 / 0,15 / 0,15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0,45 / 0.29 / 0.59

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
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EN 1279-5 Insulating glass units
intended to be used in buildings and construction works
Triple Glazed 4mm SGG PLANITHERM T F3 F5 (20mm Air Space, Krypton Gas 90%
Filled) 4mm Diamant

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Float Glass
20mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass F3
20mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass F5

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	32 (-2; -5)
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	0.5 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p`v	0,7 / 0,15 / 0,15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0,45 / 0.29 / 0.60

Bill Carey - Managing Director

20th April 2009



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EN 1279-5 Insulating glass units
intended to be used in buildings and construction works
Triple Glazed 4mm SGG PLANITHERM T F3 F5 (6mm Air Space, Krypton Gas 90%
Filled) 4mm Diamant

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Float Glass
6mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass F3
6mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass F5

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	32 (-2; -5)
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	0.9 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0,7 / 0,15 / 0,15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0,45 / 0.29 / 0.59

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
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EN 1279-5 Insulating glass units
intended to be used in buildings and construction works
Triple Glazed 4mm SGG PLANITHERM T F3 F5 (8mm Air Space, Krypton Gas 90%
Filled) 4mm Diamant

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Float Glass
8mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass F3
8mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass F5

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	32 (-2; -5)
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	0.7 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0,7 / 0,15 / 0,15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0,45 / 0.29 / 0.60

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(20mm Air Space, Air fill) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Planilux Float Glass
20mm Cavity
Air Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.4 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.79 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.56 / 0.21/ 0.66

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(6mm Air Space, Air fill) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Planilux Float Glass
6mm Cavity
Air Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.5 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.79 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.56 / 0.21/ 0.65

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(8mm Air Space, Air fill) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Planilux Float Glass
8mm Cavity
Air Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.1 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p`v	0.79 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410):	0.56 / 0.21/ 0.65

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Planilux 4mm (20mm Air Space,
Argon 90% Filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux
20mm Cavity
Argon 90% Filled
4mm Planilux

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.6 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p`v	0.81 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.70 / 0.13/ 0.76

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Planilux 4mm (6mm Air Space,
Argon 90% Filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux

6mm Cavity

Argon 90% Filled

4mm Planilux

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	3.1 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p`v	0.81 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.70 / 0.13/ 0.75

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Planilux 4mm (8mm Air Space,
Argon 90% Filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux

8mm Cavity

Argon 90% Filled

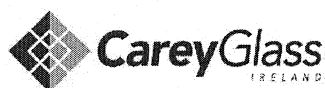
4mm Planilux

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.9 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.81 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.70 / 0.13/ 0.76

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(20mm Air Space, Air Filled) Diamant 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Glass

20mm Cavity

Air Filled

4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.4 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.80 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.60 / 0.25/ 0.70

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(6mm Air Space, Air Filled) Diamant 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Diamant Glass

6mm Cavity

Air Filled

4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.5 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.80 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.60 / 0.25/ 0.69

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(8mm Air Space, Air Filled) Diamant 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Diamant Glass
8mm Cavity
Air Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.1 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.80 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.60 / 0.25/ 0.69

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(20mm Air Space, Krypton Gas 90% fill) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Planilux Float Glass
20mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.16 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.79 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.56 / 0.21/ 0.66

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(6mm Air Space, 90% Krypton Gas fill) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Planilux Float Glass
6mm Cavity
90% Krypton Gas Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.5 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.79 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.56 / 0.21/ 0.66

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(8mm Air Space, 90% Krypton Gas fill) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Planilux Float Glass
8mm Cavity
90% Krypton Gas Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.2 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.79 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.56 / 0.21/ 0.66

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(20mm Air Space, Krypton Gas 90% Filled) Diamant 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Diamant Glass
20mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.16 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p`v	0.80 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.60 / 0.25/ 0.71

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(6mm Air Space, Krypton Gas 90% Filled) Diamant 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Diamant Glass
6mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.5 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.80 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.60 / 0.25/ 0.69

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(8mm Air Space, Krypton Gas 90% Filled) Diamant 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Diamant Glass
8mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.16 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.80 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.60 / 0.25/ 0.71

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Planilux 4mm (18mm Air Space,
Air Filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux

18mm Cavity

Air Filled

4mm Planilux

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/18/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.8 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.81 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.70 / 0.13/ 0.76

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Planilux 4mm (6mm Air Space,
Air Filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux
6mm Cavity
Air Filled
4mm Planilux

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	3.3 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.81 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.70 / 0.13/ 0.75

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Planilux 4mm (8mm Air Space,
Air Filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux

8mm Cavity

Air Filled

4mm Planilux

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	3.1 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.81 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.70 / 0.13/ 0.75

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Triple glazed SGG
PLANITHERM T 4mm (20mm Air Spaces, Krypton Gas 90% filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux Float Glass
20mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass F3
20mm Cavity
Krypton Gas 90% Filled
4mm Planitherm Total Float Glass F5

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	0.5 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p`v	0.69 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410):	0.43 / 0.24/ 0.56

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Triple glazed SGG
PLANITHERM T 4mm (6mm Air Space, Krypton Gas 90% fill) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux Float Glass

6mm Cavity

Krypton Gas 90% Filled

4mm Planitherm Total Float Glass F3

6mm Cavity

Krypton Gas 90% Filled

4mm Planitherm Total Float Glass F5

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	0.9 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.69 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.43 / 0.24/ 0.56

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Triple glazed SGG
PLANITHERM T 4mm (8mm Air Spaces, Krypton Gas 90% filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux Float Glass

8mm Cavity

Krypton Gas 90% Filled

4mm Planitherm Total Float Glass F3

8mm Cavity

Krypton Gas 90% Filled

4mm Planitherm Total Float Glass F5

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	0.7 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.69 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410):	0.43 / 0.24/ 0.56

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Triple glazed SGG
PLANITHERM T 4mm (20mm Air Spaces, Argon Gas 90% filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux Float Glass

20mm Cavity

Argon Gas 90% Filled

4mm Planitherm Total Float Glass F3

20mm Cavity

Argon Gas 90% Filled

4mm Planitherm Total Float Glass F5

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	0.5 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.69 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410):	0.43 / 0.24/ 0.56

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Triple glazed SGG
PLANITHERM T 4mm (6mm Air Space, Argon Gas 90% fill) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Planilux Float Glass
6mm Cavity
Argon Gas 90% Filled
4mm Planitherm Total Float Glass F3
6mm Cavity
Argon Gas 90% Filled
4mm Planitherm Total Float Glass F5

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.16 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.69 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.43 / 0.24/ 0.56

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Triple glazed SGG
PLANITHERM T 4mm (8mm Air Spaces, Argon Gas 90% filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux Float Glass

8mm Cavity

Argon Gas 90% Filled

4mm Planitherm Total Float Glass F3

8mm Cavity

Argon Gas 90% Filled

4mm Planitherm Total Float Glass F5

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.0 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.69 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.43 / 0.24/ 0.56

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Triple glazed SGG
PLANITHERM T 4mm (20mm Air Spaces, Air filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux Float Glass

20mm Cavity

Air Filled

4mm Planitherm Total Float Glass F3

20mm Cavity

Air Filled

4mm Planitherm Total Float Glass F5

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	0.7 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.69 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410):	0.43 / 0.24/ 0.56

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Triple glazed SGG
PLANITHERM T 4mm (6mm Air Space, Air fill) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Planilux Float Glass
6mm Cavity
Air Filled
4mm Planitherm Total Float Glass F3
6mm Cavity
Air Filled
4mm Planitherm Total Float Glass F5

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.6 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.69 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410):	0.43 / 0.24/ 0.55

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Triple glazed SGG
PLANITHERM T 4mm (8mm Air Spaces, Air filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux Float Glass

8mm Cavity

Air Filled

4mm Planitherm Total Float Glass F3

8mm Cavity

Air Filled

4mm Planitherm Total Float Glass F5

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40K/40K/40K
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.3 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.69 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.43 / 0.24/ 0.56

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Planilux 4mm (20mm Air Space,
Krypton 90% Filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux

20mm Cavity

Krypton 90% Filled

4mm Planilux

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/20/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.6 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p`v	0.81 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.70 / 0.13/ 0.76

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Planilux 4mm (6mm Air Space,
Krypton 90% Filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux

6mm Cavity

Krypton 90% Filled

4mm Planilux

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.8 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.81 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.70 / 0.13/ 0.76

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works Planilux 4mm (8mm Air Space,
Krypton 90% Filled) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:

4mm Planilux

8mm Cavity

Krypton 90% Filled

4mm Planilux

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/8/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.7 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.81 / 0.15-0.15
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.70 / 0.13/ 0.76

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 6.mm
(16mm Air Space, Argon 90% fill) Planilux 6mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
6mm Planilux Float Glass
16mm Cavity
Argon 90% Filled
6mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	6/16/6
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	1.16 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p`v	0.77 / 0.12 / 0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.52 / 0.19/ 0.63

Bill Carey - Managing Director

20th April 2009



Carey Glass Limited
Limerick Road
Nenagh
Co. Tipperary
ROI

EN 1279-5 Insulating glass units
intended to be used in buildings and construction works SGG PLANITHERM T 4mm
(6mm Air Space, 90% Argon Gas fill) Planilux 4mm

CE Marking of Insulating Glass Units to EN 1279



Declaration of Performances for:
4mm Planilux Float Glass
6mm Cavity
90% Argon Gas Filled
4mm Planitherm Total Float Glass

Characteristics:

1. Resistance to Fire (EN13501-2)	NPD
2. Reaction to Fire (EN13501-1)	NPD
3. External Fire Performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion Resistance (EN 13541)	NPD
6. Burglar Resistance (EN)356	NPD
7. Pendulum Body Impact Resistance (EN 12600)	NPD
8. Resistance against sudden Temperature Change And Temperature Differentials	40k / 40k
9. Wind, Snow, Permanent and Imposed Load Resistance	4/6/4
10. Direct Airborne Sound Reduction (EN 12758) Rw (C, Ctr)	NPD
11. Thermal Properties: - U Value - Normal Emissivity (EN12898)	2.0 NPD
12. Light Transmission / Reflection (EN 410: tv /pv/p'v	0.79 / 0.12-0.12
13. Solar Energy Transmission / Reflection (EN 410): g Value	0.56 / 0.21/ 0.65

Bill Carey - Managing Director

20th April 2009