Triple28

TECHNICAL SPECIFICATION SHEETS

ClaytonGlass

Triple28

28mm Float

LUMINOUS FACTORS

CIE015:2018

Light transmission (TL %)	51.9 %
Outdoor reflection (RLe %)	34.8 %
Indoor (RLi %)	34.8 %

SOLAR FACTORS

EN410:2011

Solar factor (g)	0.3451
Shading Coefficient (SC)	0.3967

COLOUR RENDERING

CIE015:2018

Transmission (Ra)	95.3
Reflection (Ra)	96.6

BURGLAR RESIST

EN356:1999

Result :	NPD

CARBON FOOTPRINT

EN15804:2012+A2:2019

Global warming potential 'GWP' 47.96 Kg(CO2)/m² (A1-A3)

ENERGY FACTORS

EN410:2011

Transmission (Te)	29.5 %
Reflection (Ree)	48.3 %
Indoor (Rei)	48.3 %
Absorption (AE1)	16.8 %
Absorption (AE2)	1%
Absorption (AE3)	4.5 %

THERMAL TRANSMISSION

EN673:2011

Ug	0.819 W/m².K

0° related to vertical position

MANUFACTURING SIZES

Nominal thickness	28.1 mm
Weight	22.8 kg/m²

PENDULUM RESISTANCE

EN12600:2002 (toughened only)

ACOUSTICS

EN12758:2019

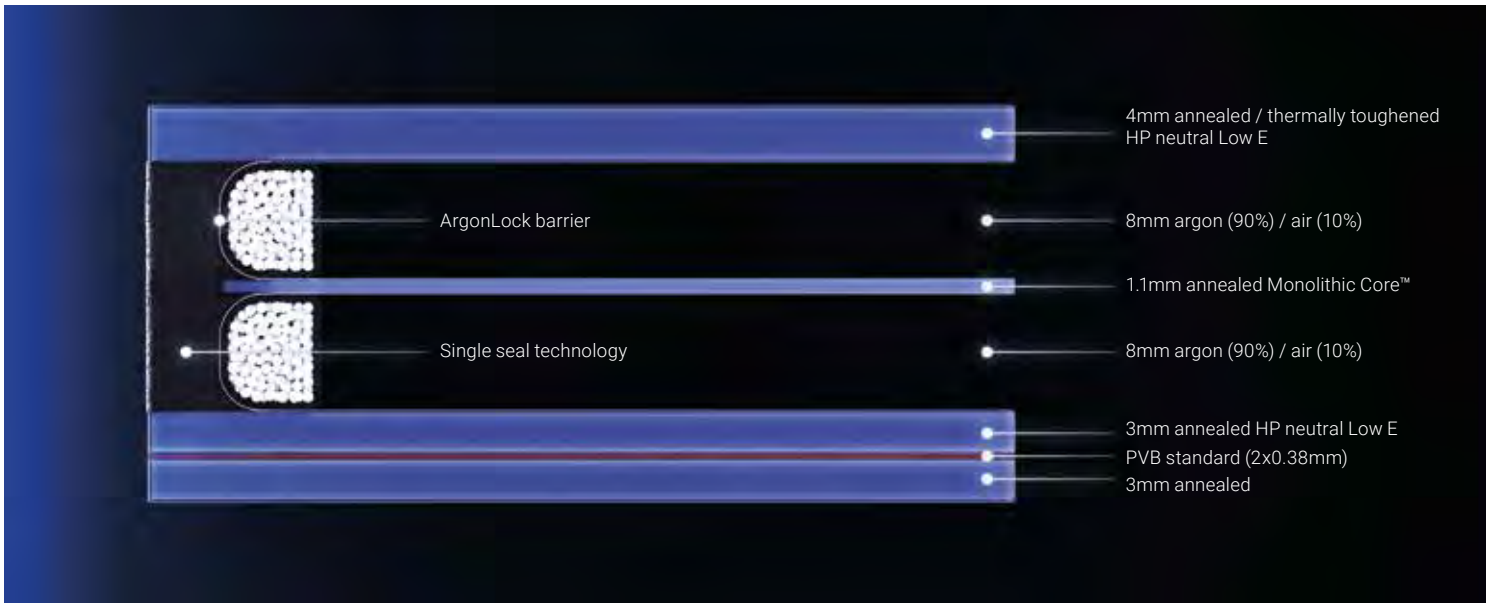
Acoustic measurement values according to EN12758 and from notified body

Rw (C;Ctr)	33 (-2; -5) dB
Ra	31 dB
Ra,tr	28 dB
STC (ASTM E413)	0
OITC (ASTM E1332)	0

ClaytonGlass

Triple28

28mm Laminated



LUMINOUS FACTORS

CIE015:2018

Light transmission (TL %)	51.5 %
Outdoor reflection (RLe %)	34.3 %
Indoor (RLi %)	34.7 %

SOLAR FACTORS

EN410:2011

Solar factor (g)	0.3280
Shading Coefficient (SC)	0.3770

COLOUR RENDERING

CIE015:2018

Transmission (Ra)	95.0
Reflection (Ra)	96.3

BURGLAR RESIST

EN356:1999

Result:	NPD

CARBON FOOTPRINT

EN15804:2012+A2:2019

Global warming potential 'GWP' 56.43 Kg(CO2)/m² (A1-A3)

ENERGY FACTORS

EN410:2011

Transmission (Te)	28 %
Reflection (Ree)	41.1 %
Indoor (Rei)	48.3 %
Absorption (AE1)	26.2 %
Absorption (AE2)	0.9 %
Absorption (AE3)	3.8 %

THERMAL TRANSMISSION

EN673:2011

Ug	0.937 W/m².K

0° related to vertical position

MANUFACTURING SIZES

Nominal thickness	27.9 mm
Weight	28.6 kg/m²

PENDULUM RESISTANCE

EN12600:2002

Result:	NPD

ACOUSTICS

EN12758:2019

Acoustic measurement values according to EN12758 and from notified body

Rw (C;Ctr)	36 (-2;-5) dB
Ra	34 dB
Ra,tr	31 dB

ClaytonGlass

Triple28

28mm Obscure

LUMINOUS FACTORS

CIE015:2018

Light transmission (TL %)	63 %
Outdoor reflection (RLe %)	29 %
Indoor (RLi %)	29 %

SOLAR FACTORS

EN410:2011

Solar factor (g)	0.42
Shading Coefficient (SC)	0.49

COLOUR RENDERING

CIE015:2018

Transmission (Ra)	96.8
Reflection (Ra)	97.4

BURGLAR RESIST

EN356:1999

Result :	NPD

CARBON FOOTPRINT

EN15804:2012+A2:2019

Global warming potential 'GWP' (A1-A3)	N/A

ENERGY FACTORS

EN410:2011

Transmission (Te)	40 %
Reflection (Ree)	42 %
Indoor (Rei)	41 %
Absorption (AE1)	16 %
Absorption (AE2)	1%
Absorption (AE3)	2%

THERMAL TRANSMISSION

EN673:2011

Ug	1.2 W/m².K
0° related to vertical position	

MANUFACTURING SIZES

Nominal thickness	28.1 mm
Weight	23 kg/m²

PENDULUM RESISTANCE

EN12600:2002 (toughened only)

Result :	NPD

ACOUSTICS

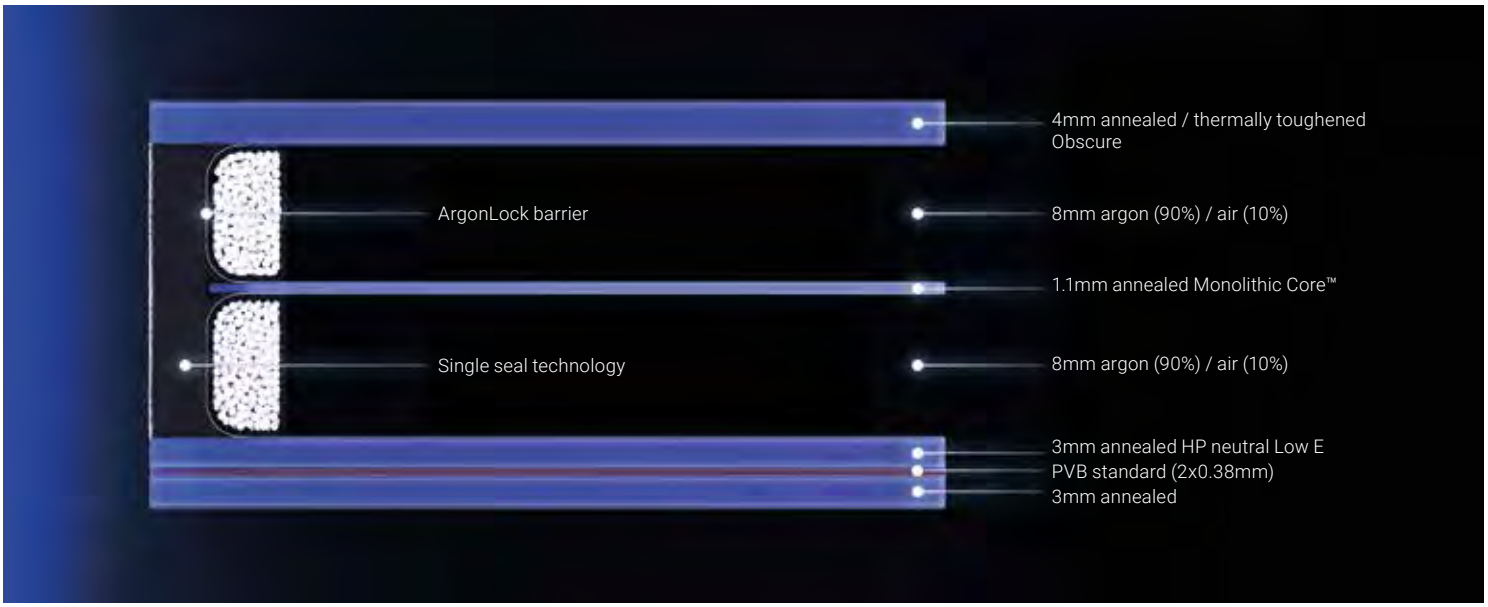
EN12758:2019

Rw (C;Ctr)	33 (-2;-6) dB
Ra	31 dB
Ra,tr	27 dB

ClaytonGlass

Triple28

28mm Obscure Laminated



LUMINOUS FACTORS

CIE015:2018

Light transmission (TL %)	62 %
Outdoor reflection (RLe %)	28 %
Indoor (RLi %)	29 %

SOLAR FACTORS

EN410:2011

Solar factor (g)	0.40
Shading Coefficient (SC)	0.46

COLOUR RENDERING

CIE015:2018

Transmission (Ra)	96.4
Reflection (Ra)	97.0

BURGLAR RESIST

EN356:1999

Result :	NPD

CARBON FOOTPRINT

EN15804:2012+A2:2019

Global warming potential 'GWP' (A1-A3)	N/A

ENERGY FACTORS

EN410:2011

Transmission (Te)	37 %
Reflection (Ree)	36 %
Indoor (Rei)	41 %
Absorption (AE1)	25 %
Absorption (AE2)	0%
Absorption (AE3)	2%

THERMAL TRANSMISSION

EN673:2011

Ug	1.3 W/m².K
0° related to vertical position	

MANUFACTURING SIZES

Nominal thickness	27.9 mm
Weight	29 kg/m²

PENDULUM RESISTANCE

EN12600:2002

Result :	NPD

ACOUSTICS

EN12758:2019

Rw (C;Ctr)	37 (-2;-6) dB
Ra	35 dB
Ra,tr	31 dB

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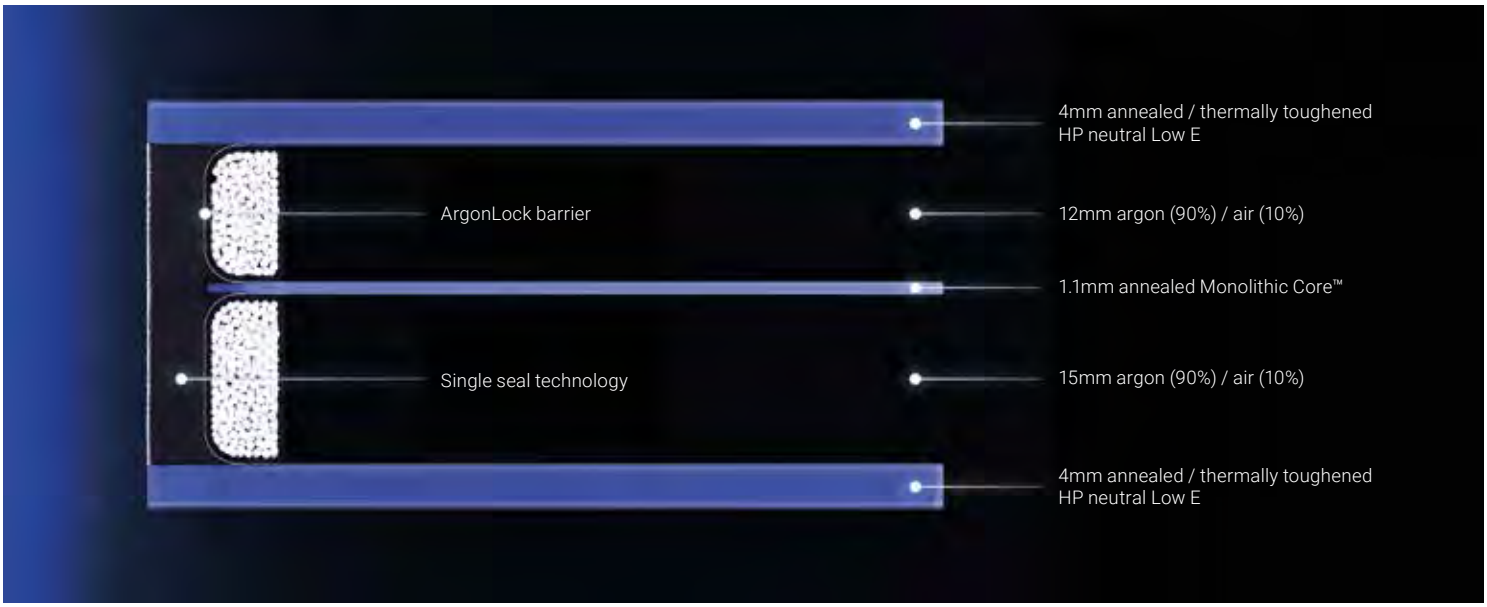
Triple28

36mm Float



LUMINOUS FACTORS

CIE015:2018

Light transmission (TL %)	51.9 %
Outdoor reflection (RLe %)	34.8 %
Indoor (RLi %)	34.8 %

SOLAR FACTORS

EN410:2011

Solar factor (g)	0.3444
Shading Coefficient (SC)	0.3958

COLOUR RENDERING

CIE015:2018

Transmission (Ra)	95.3
Reflection (Ra)	96.6

BURGLAR RESIST

EN356:1999

Result :	NPD

CARBON FOOTPRINT

EN15804:2012+A2:2019

Global warming potential 'GWP' 50.12 Kg(CO2)/m² (A1-A3)

ENERGY FACTORS

EN410:2011

Transmission (Te)	29.5 %
Reflection (Ree)	48.3 %
Indoor (Rei)	48.3 %
Absorption (AE1)	16.8 %
Absorption (AE2)	1%
Absorption (AE3)	4.5 %

THERMAL TRANSMISSION

EN673:2011

Ug	0.610 W/m².K

0° related to vertical position

MANUFACTURING SIZES

Nominal thickness	36.1 mm
Weight	22.8 kg/m²

PENDULUM RESISTANCE

EN12600:2002 (toughened only)

Result :	NPD

ACOUSTICS

EN12758:2019

Rw (C;Ctr)	33 (-2;-6) dB
Ra	31 dB
Ra,tr	27 dB

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Triple28

36mm Laminated

LUMINOUS FACTORS

CIE015:2018

Light transmission (TL %)	51.5 %
Outdoor reflection (RLe %)	34.3 %
Indoor (RLi %)	34.7 %

SOLAR FACTORS

EN410:2011

Solar factor (g)	0.3266
Shading Coefficient (SC)	0.3754

COLOUR RENDERING

CIE015:2018

Transmission (Ra)	95.0
Reflection (Ra)	96.3

BURGLAR RESIST

EN356:1999

Result :	NPD

CARBON FOOTPRINT

EN15804:2012+A2:2019

Global warming potential 'GWP' 58.59 Kg(CO2)/m² (A1-A3)

ENERGY FACTORS

EN410:2011

Transmission (Te)	28 %
Reflection (Ree)	41.1 %
Indoor (Rei)	48.3 %
Absorption (AE1)	26.2 %
Absorption (AE2)	0.9 %
Absorption (AE3)	3.8 %

THERMAL TRANSMISSION

EN673:2011

Ug	0.671 W/m².K

0° related to vertical position

MANUFACTURING SIZES

Nominal thickness	35.9 mm
Weight	28.6 kg/m²

PENDULUM RESISTANCE

EN12600:2002

Result :	NPD

ACOUSTICS

EN12758:2019

Rw (C;Ctr)	37 (-2;-6) dB
Ra	35 dB
Ra,tr	31 dB

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Triple28

40mm Float

LUMINOUS FACTORS

CIE015:2018

Light transmission (TL %)	52 %
Outdoor reflection (RLe %)	35 %
Indoor (RLi %)	35 %

SOLAR FACTORS

EN410:2011

Solar factor (g)	0.34
Shading Coefficient (SC)	0.40

COLOUR RENDERING

CIE015:2018

Transmission (Ra)	95.3
Reflection (Ra)	96.6

BURGLAR RESIST

EN356:1999

Result :	NPD

CARBON FOOTPRINT

EN15804:2012+A2:2019

Global warming potential 'GWP' (A1-A3)	51 Kg(CO2)/m²

ENERGY FACTORS

EN410:2011

Transmission (Te)	29 %
Reflection (Ree)	48 %
Indoor (Rei)	48 %
Absorption (AE1)	17 %
Absorption (AE2)	1%
Absorption (AE3)	5%

THERMAL TRANSMISSION

EN673:2011

Ug 0° related to vertical position	0.5 W/m².K

MANUFACTURING SIZES

Nominal thickness	40.1 mm
Weight	23 kg/m²

PENDULUM RESISTANCE

EN12600:2002 (toughened only)

Result :	NBD

ACOUSTICS

EN12758:2019

Ra	38 dB

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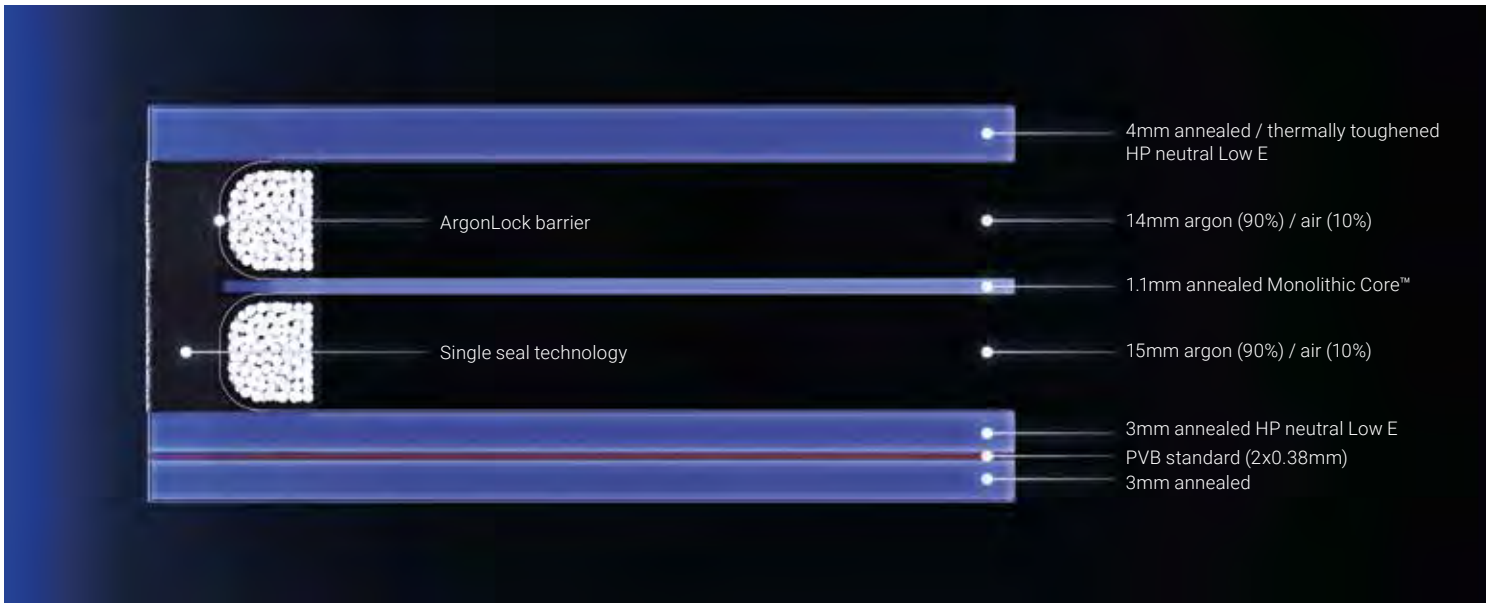
Triple28

40mm Laminated



LUMINOUS FACTORS

CIE015:2018

Light transmission (TL %)	51 %
Outdoor reflection (RLe %)	34 %
Indoor (RLi %)	35 %

SOLAR FACTORS

EN410:2011

Solar factor (g)	0.33
Shading Coefficient (SC)	0.37

COLOUR RENDERING

CIE015:2018

Transmission (Ra)	95.0
Reflection (Ra)	96.3

BURGLAR RESIST

EN356:1999

Result :	NPD

CARBON FOOTPRINT

EN15804:2012+A2:2019

Global warming potential 'GWP' 60 Kg(CO2)/m² (A1-A3)

ENERGY FACTORS

EN410:2011

Transmission (Te)	28 %
Reflection (Ree)	41 %
Indoor (Rei)	48 %
Absorption (AE1)	26 %
Absorption (AE2)	1%
Absorption (AE3)	4%

THERMAL TRANSMISSION

EN673:2011

Ug 0° related to vertical position	0.6 W/m².K

MANUFACTURING SIZES

Nominal thickness	40.9 mm
Weight	29 kg/m²

PENDULUM RESISTANCE

EN12600:2002

Result :	NPD

ACOUSTICS

EN12758:2019

Ra	38 dB

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