



Trakya Cam Sanayii A.Ş.  
Adres: İş Kuleleri Kule 3 34330  
4.Levent- İSTANBUL/TÜRKİYE  
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#### EN 14179-2

Heat soaked thermally toughened safety glass, intended to be used in buildings and construction works, 4mm Helio® Gray

#### Characteristics

Resistance to fire	NPD
Reaction to fire	A1
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance	1(C)3
Resistance against sudden temperature changes and temperature differentials	200K
Wind, snow, permanent and imposed load resistance of the glass unit	4mm
Direct airborne sound reduction	29 (-2; -3) dB
Thermal properties	
U-value (EN 673)	5,7 W/(m <sup>2</sup> K)
Normal emissivity e <sub>n</sub> (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,57/0,06/0,06
Solar energy characteristics	0,58/0,06/0,06

NPD: No Performance Determined



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#### EN 14179-2

Heat soaked thermally toughened safety glass, intended to be used in buildings and construction works, 6mm Helio® Gray

#### Characteristics

Resistance to fire	NPD
Reaction to fire	A1
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance	1(C)1
Resistance against sudden temperature changes and temperature differentials	200K
Wind, snow, permanent and imposed load resistance of the glass unit	6mm
Direct airborne sound reduction	31 (-2; -3) dB
Thermal properties	
U-value (EN 673)	5,7 W/(m <sup>2</sup> K)
Normal emissivity e <sub>n</sub> (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,44/0,05/0,05
Solar energy characteristics	0,46/0,05/0,05

NPD: No Performance Determined



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EN 14179-2

Heat soaked thermally toughened safety glass, intended to  
be used in buildings and construction works, 8mm Helio® Gray

Characteristics

Resistance to fire	NPD
Reaction to fire	A1
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance	1(C)1
Resistance against sudden temperature changes and temperature differentials	200K
Wind, snow, permanent and imposed load resistance of the glass unit	8mm
Direct airborne sound reduction	32 (-2; -3) dB
Thermal properties	
U-value (EN 673)	5,6 W/(m <sup>2</sup> K)
Normal emissivity e <sub>n</sub> (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,35/0,05/0,05
Solar energy characteristics	0,38/0,05/0,05

NPD: No Performance Determined



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#### EN 14179-2

Heat soaked thermally toughened safety glass, intended to be used in buildings and construction works, 10mm Helio® Gray

#### Characteristics

Resistance to fire	NPD
Reaction to fire	A1
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	NPD
Pendulum body impact resistance	1(C)1
Resistance against sudden temperature changes and temperature differentials	200K
Wind, snow, permanent and imposed load resistance of the glass unit	10mm
Direct airborne sound reduction	33 (-2; -3) dB
Thermal properties	
U-value (EN 673)	5,6 W/(m <sup>2</sup> K)
Normal emissivity e <sub>n</sub> (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,27/0,05/0,05
Solar energy characteristics	0,30/0,05/0,05

NPD: No Performance Determined