



Trakya Cam Sanayii A.Ş.  
Adres: İş Kuleleri Kule 3 34330  
4.Levent- İSTANBUL/TÜRKİYE  
07

**EN 14449**

**Laminated safety glass, intended to be used in buildings and construction works**

**Thermally Toughened Safety Clear Float Glass+ Opaque PVB +  
Thermally Toughened Safety Clear Float Glass,  
LAMEKS® 44.4**

**Characteristics**

<b>Resistance to fire</b>	NPD
<b>Reaction to fire</b>	NPD
<b>External fire behaviour</b>	NPD
<b>Bullet resistance</b>	NPD
<b>Explosion resistance</b>	NPD
<b>Burglar resistance (EN 356)</b>	P2A
<b>Pendulum body impact resistance</b>	1 (B) 1
<b>Resistance against sudden temperature changes and temperature differentials</b>	200K
<b>Wind, snow, permanent and imposed load resistance of the glass unit</b>	44.4
<b>Direct airborne sound reduction</b>	33 (-1; - 3) dB
<b>Thermal properties</b>	
<b>U-value (EN 673)</b>	5,5 W / (m <sup>2</sup> K)
<b>Normal emissivity (EN 12898)</b>	0,89
<b>Radiation properties</b>	
<b>Light transmission and reflection</b>	NPD
<b>Solar energy characteristics</b>	NPD

*NPD: No Performance Determined*



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Laminated safety glass, intended to be used in buildings and construction works  
Thermally Toughened Safety Clear Float Glass+ Opaque PVB +  
Thermally Toughened Safety Clear Float Glass,  
LAMEKS® 55.4

**Characteristics**

Resistance to fire	NPD
Reaction to fire	NPD
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	P2A
Pendulum body impact resistance	1 (B) 1
Resistance against sudden temperature changes and temperature differentials	200K
Wind, snow, permanent and imposed load resistance of the glass unit	55.4
Direct airborne sound reduction	34 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,4 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	NPD
Solar energy characteristics	NPD

*NPD: No Performance Determined*



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Laminated safety glass, intended to be used in buildings and construction works  
Thermally Toughened Safety Clear Float Glass+ Opaque PVB + Thermally Toughened Safety Clear Float Glass,  
LAMEKS® 66.4

#### Characteristics

Resistance to fire	NPD
Reaction to fire	NPD
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	P2A
Pendulum body impact resistance	1 (B) 1
Resistance against sudden temperature changes and temperature differentials	200K
Wind, snow, permanent and imposed load resistance of the glass unit	66.4
Direct airborne sound reduction	34 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,3 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	NPD
Solar energy characteristics	NPD

NPD: No Performance Determined



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**Laminated safety glass, intended to be used in buildings and construction works**

**Thermally Toughened Safety Clear Float Glass+ Opaque PVB +  
Thermally Toughened Safety Clear Float Glass,  
LAMEKS® 88.4**

**Characteristics**

<b>Resistance to fire</b>	NPD
<b>Reaction to fire</b>	NPD
<b>External fire behaviour</b>	NPD
<b>Bullet resistance</b>	NPD
<b>Explosion resistance</b>	NPD
<b>Burglar resistance (EN 356)</b>	P2A
<b>Pendulum body impact resistance</b>	1 (B) 1
<b>Resistance against sudden temperature changes and temperature differentials</b>	200K
<b>Wind, snow, permanent and imposed load resistance of the glass unit</b>	88.4
<b>Direct airborne sound reduction</b>	34 (-1; - 3) dB
<b>Thermal properties</b>	
<b>U-value (EN 673)</b>	5,2 W / (m <sup>2</sup> K)
<b>Normal emissivity (EN 12898)</b>	0,89
<b>Radiation properties</b>	
<b>Light transmission and reflection</b>	NPD
<b>Solar energy characteristics</b>	NPD

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EN 14449

Laminated safety glass, intended to be used in buildings and construction works  
Thermally Toughened Safety Clear Float Glass+ Opaque PVB +  
Thermally Toughened Safety Clear Float Glass,  
LAMEKS® 1010.4

**Characteristics**

Resistance to fire	NPD
Reaction to fire	NPD
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	P2A
Pendulum body impact resistance	1 (B) 1
Resistance against sudden temperature changes and temperature differentials	200K
Wind, snow, permanent and imposed load resistance of the glass unit	1010.4
Direct airborne sound reduction	34 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,1 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	NPD
Solar energy characteristics	NPD

NPD: No Performance Determined



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Laminated safety glass, intended to be used in buildings and construction works  
Thermally Toughened Safety Clear Float Glass+ Opaque PVB +  
Thermally Toughened Safety Clear Float Glass,  
LAMEKS® 1212.4

**Characteristics**

Resistance to fire	NPD
Reaction to fire	NPD
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	P2A
Pendulum body impact resistance	1 (B) 1
Resistance against sudden temperature changes and temperature differentials	200K
Wind, snow, permanent and imposed load resistance of the glass unit	1212.4
Direct airborne sound reduction	34 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,0 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	NPD
Solar energy characteristics	NPD

NPD: No Performance Determined