



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 33.1

#### Characteristics

Resistance to fire	NPD
Reaction to fire	NPD
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance	NPD
Pendulum body impact resistance	2 (B) 2
Resistance against sudden temperature changes and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	33.1
Direct airborne sound reduction	32 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,7 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,87 / 0,08
Solar energy characteristics	0,71 / 0,07

NPD: No Performance Determined



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 33.2

#### Characteristics

Resistance to fire	NPD
Reaction to fire	NPD
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	P1A
Pendulum body impact resistance	1 (B) 1
Resistance against sudden temperature changes and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	33.2
Direct airborne sound reduction	32 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,6 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,88 / 0,08
Solar energy characteristics	0,72 / 0,07

NPD: No Performance Determined



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 33.3

#### 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	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	33.3
Direct airborne sound reduction	32 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,5 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,87 / 0,08
Solar energy characteristics	0,71 / 0,06

NPD: No Performance Determined



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**

**Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 44.1**

**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>	P1A
<b>Pendulum body impact resistance</b>	2 (B) 2
<b>Resistance against sudden temperature changes and temperature differentials</b>	NPD
<b>Wind, snow, permanent and imposed load resistance of the glass unit</b>	44.1
<b>Direct airborne sound reduction</b>	33 (-1; - 3) dB
<b>Thermal properties</b>	
<b>U-value (EN 673)</b>	5,6 W / (m <sup>2</sup> K)
<b>Normal emissivity (EN 12898)</b>	0,89
<b>Radiation properties</b>	
<b>Light transmission and reflection</b>	0,87 / 0,08
<b>Solar energy characteristics</b>	0,71 / 0,06

*NPD: No Performance Determined*



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 44.2

#### 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	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	44.2
Direct airborne sound reduction	33 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,6 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,86 / 0,08
Solar energy characteristics	0,69 / 0,06

*NPD: No Performance Determined*



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 55.1

#### Characteristics

Resistance to fire	NPD
Reaction to fire	NPD
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	P1A
Pendulum body impact resistance	1 (B) 1
Resistance against sudden temperature changes and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	55.1
Direct airborne sound reduction	34 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,6 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,86 / 0,08
Solar energy characteristics	0,67 / 0,06

NPD: No Performance Determined



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 55.2

#### 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	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	55.2
Direct airborne sound reduction	34 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,5 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,86 / 0,08
Solar energy characteristics	0,67 / 0,06

NPD: No Performance Determined



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 66.1

#### Characteristics

Resistance to fire	NPD
Reaction to fire	NPD
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	P1A
Pendulum body impact resistance	1 (B) 1
Resistance against sudden temperature changes and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	66.1
Direct airborne sound reduction	34 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,5 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,84 / 0,08
Solar energy characteristics	0,65 / 0,06

NPD: No Performance Determined



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 66.2

#### 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	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	66.2
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	0,85 / 0,08
Solar energy characteristics	0,64 / 0,06

NPD: No Performance Determined



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 88.1

#### Characteristics

Resistance to fire	NPD
Reaction to fire	NPD
External fire behaviour	NPD
Bullet resistance	NPD
Explosion resistance	NPD
Burglar resistance (EN 356)	P1A
Pendulum body impact resistance	1 (B) 1
Resistance against sudden temperature changes and temperature differentials	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	88.1
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	0,82 / 0,07
Solar energy characteristics	0,59 / 0,06

NPD: No Performance Determined



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 88.2

#### 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	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	88.2
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	0,82 / 0,07
Solar energy characteristics	0,58 / 0,06

NPD: No Performance Determined



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

Clear Float Glass + Transparent PVB + Clear Float Glass,  
LAMEKS® 1010.2

#### 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	NPD
Wind, snow, permanent and imposed load resistance of the glass unit	1010.2
Direct airborne sound reduction	34 (-1; - 3) dB
Thermal properties	
U-value (EN 673)	5,2 W / (m <sup>2</sup> K)
Normal emissivity (EN 12898)	0,89
Radiation properties	
Light transmission and reflection	0,82 / 0,08
Solar energy characteristics	0,58 / 0,06

NPD: No Performance Determined